

2012

# Product Guide

Products • Technical Information • Merchandising

*Congoleum®*





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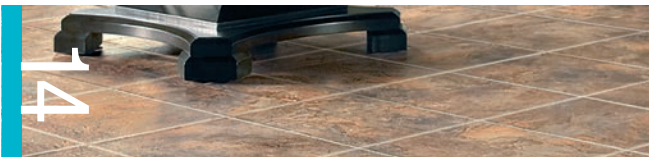
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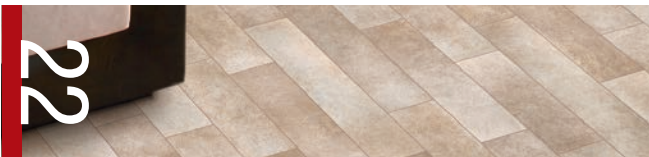
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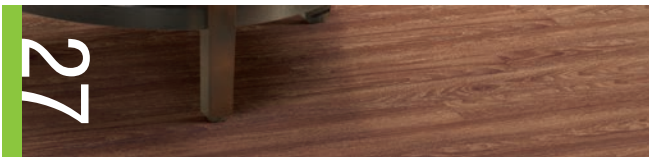
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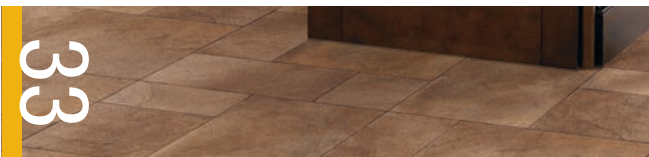
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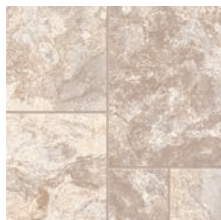


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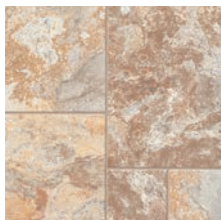


## TERRACE™

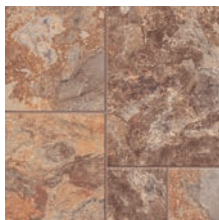
Design Match: 18" Cross Match: 36"  
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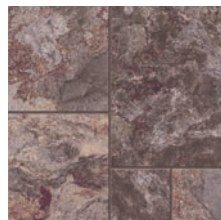
**72000**  
Corn Silk



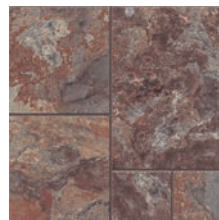
**72001**  
Desert Sunset



**72002**  
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**72003**  
Midnight



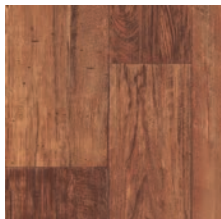
**72004**  
Iced Mocha

## COLONIAL PLANK™

Design Match: Random Cross Match: 36"  
Do Not Reverse Sheets



**72010**  
Dark Khaki



**72011**  
Burnished Umber



**72012**  
Golden Tan

## TUSCAN PAVER™

Design Match: 6" Cross Match: 6"  
Do Not Reverse Sheets



**72015**  
Ivory



**72016**  
Sand



**72017**  
Everything



**72018**  
Desert Canyon

## RAPOLANO TILE™

Design Match: 13.5" Cross Match: 13.09"  
Do Not Reverse Sheets



**72020**  
Warm Almond



**72021**  
Golden Gate



**72022**  
Orange Brule



**72023**  
Latte



**72024**  
Tumbleweed



**72025**  
Indigo



# AIR STEP EVOLUTION® SHEET FLOORING

Featuring



## PACIFIC MAPLE™

Design Match: Random Cross Match: 72"  
Do Not Reverse Sheets



**72030**  
Amber



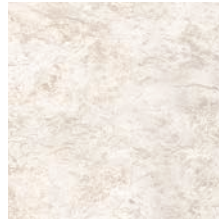
**72031**  
Butterscotch



**72032**  
Dark Caramel

## FAIR WIND™

Design Match: 27" Cross Match: 72"  
Do Not Reverse Sheets



**72060**  
Glacier White



**72061**  
Spun Gold



**72062**  
Evening Shadows

## COZUMEL™

Design Match: 18" Cross Match: 27"  
Do Not Reverse Sheets



**72040**  
Rich Clay



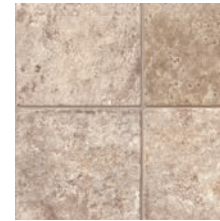
**72041**  
Cornucopia



**72042**  
Golden Ridge



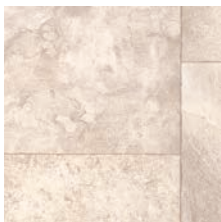
**72043**  
Corn Silk



**72044**  
Sand Beige

## GRAND CANYON™

Design Match: 13.5" Cross Match: 13.09"  
Do Not Reverse Sheets



**72050**  
Antique Lace



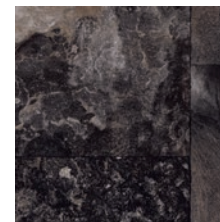
**72051**  
Golden Gate



**72052**  
Fireside



**72053**  
Safari



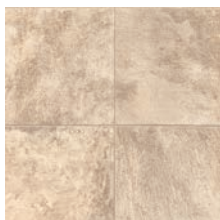
**72054**  
Enchanted Evening

## RENDEZVOUS™

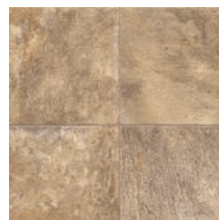
Design Match: 27" Cross Match: 9"  
Do Not Reverse Sheets



**72065**  
Full Moon



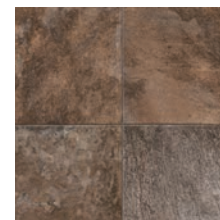
**72066**  
Baja Dunes



**72067**  
Sand Bar



**72068**  
Derby



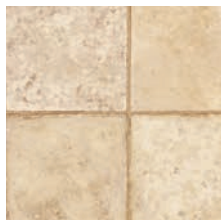
**72069**  
Moonwalk



### NORTH STAR<sup>™</sup>

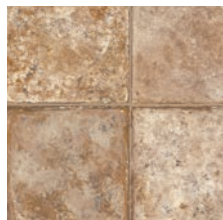
Design Match: 18" Cross Match: 36"

Do Not Reverse Sheets



**58000**

Muslin



**58001**

Sunwashed



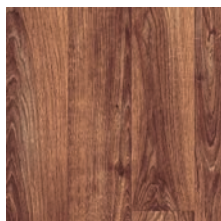
**58002**

Golden Sunrise

### WOODLAND<sup>™</sup>

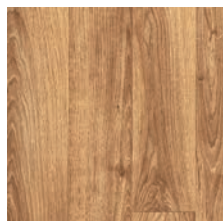
Design Match: 9" Cross Match: 9"

Do Not Reverse Sheets



**58005**

Chestnut



**58006**

Goldenrod

### SATIN CLOUD<sup>™</sup>

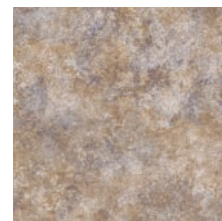
Design Match: 27" Cross Match: 72"

Do Not Reverse Sheets



**58010**

Mist



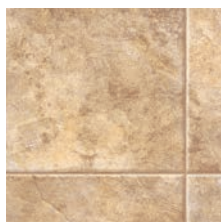
**58011**

Blush

### STARLIGHT<sup>™</sup>

Design Match: 27" Cross Match: 26.18"

Do Not Reverse Sheets



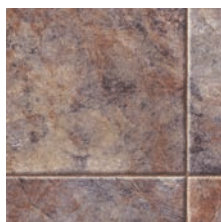
**58020**

Oasis Beige



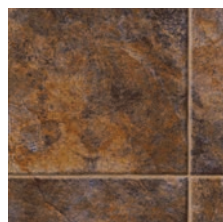
**58021**

Sunstone



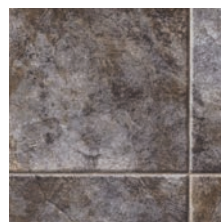
**58022**

Early Dawn



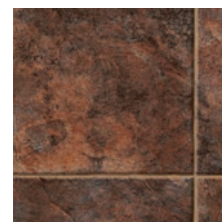
**58023**

Weathered Bronze



**58024**

Moonglow



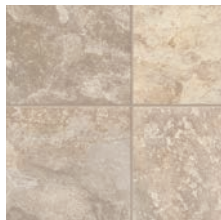
**58025**

Autumn Rust

### WESTERN SLATE<sup>™</sup>

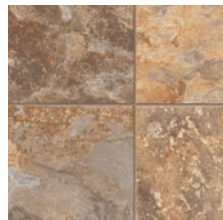
Design Match: 27" Cross Match: 36"

Do Not Reverse Sheets



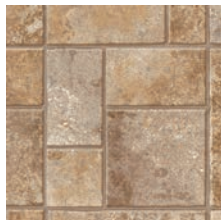
**58040**

Vanilla Cream



**58041**

Sundance



**58050**

Summer Solstice



**58051**

Sahara Dusk

### UNITY<sup>™</sup>

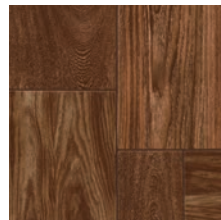
Design Match: 27" Cross Match: 36"

Do Not Reverse Sheets

### HARMONY<sup>™</sup>

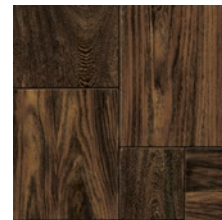
Design Match: Random Cross Match: 36"

Do Not Reverse Sheets



**58065**

Cinnabar



**58066**

Dark Walnut



## ACADIA™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



**41010**  
Sand



**41011**  
Adobe

## SEDONA™

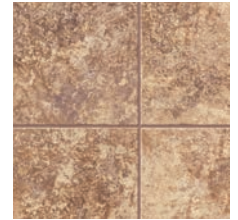
Design Match: 9" Cross Match: 9"  
Do Not Reverse Sheets



**41020**  
White Clay



**41021**  
Straw



**41022**  
Golden Mist

## PANORAMA™

Design Match: 27" Cross Match: 39.5"  
Do Not Reverse Sheets



**41030**  
Clay Pebble



**41031**  
Feather Gray



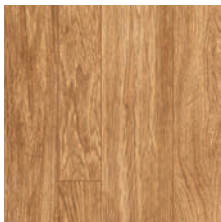
**41032**  
Desert Shadow



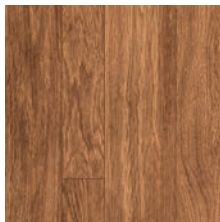
**41033**  
Night Horizon

## RANDOM PLANK™

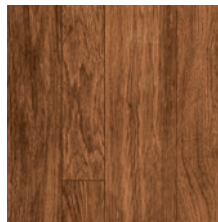
Design Match: Random Cross Match: 48"  
Do Not Reverse Sheets



**41040**  
Honey



**41041**  
Harvest



**41042**  
Penny

## FLAGSTONE™

Design Match: 27" Cross Match: 24"  
Do Not Reverse Sheets



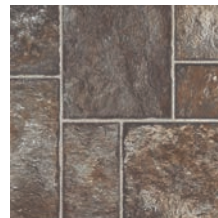
**41050**  
Fired Bisque



**41051**  
Sandy Sage



**41052**  
Rich Cinnamon

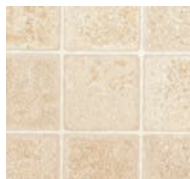


**41053**  
Deep Slate



### HAMPTON CROSSING™

Design Match: 6" Cross Match: 36"  
Do Not Reverse Sheets



**UL001**  
Multi Bleached Clay



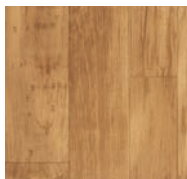
**UL002**  
Multi Golden Stone



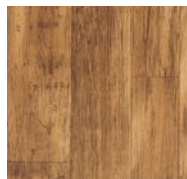
**UL003**  
Multi Gray Bluestone

### NATURAL PLANK™

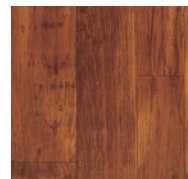
Design Match: 27" Cross Match: 48"  
Do Not Reverse Sheets



**UL012**  
Light Maple



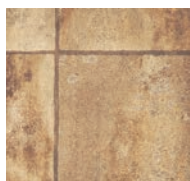
**UL014**  
Weathered Gunstock



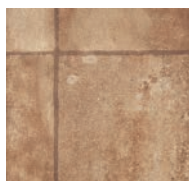
**UL015**  
Deep Fruitwood

### DURANGO™

Design Match: 27" Cross Match: 52.36"  
Do Not Reverse Sheets



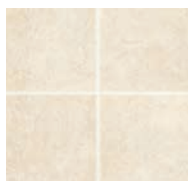
**UL022**  
Goldenstone



**UL025**  
Sandstone

### CHARISMA™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



**UL060**  
NuBeige



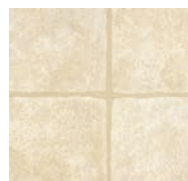
**UL062**  
Multi Sage

### DESTINY™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



**UL072**  
Golden Tone



**UL074**  
White Putty

### ATRIUM WALK™

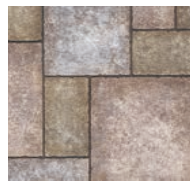
Design Match: 18"  
Cross Match: 18"  
Do Not Reverse Sheets



**UL081**  
Stone Green

### RANDOM PAVER™

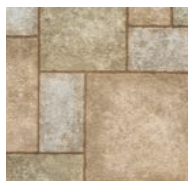
Design Match: 27" Cross Match: 24"  
Do Not Reverse Sheets



**UL110**  
Plummit Stone



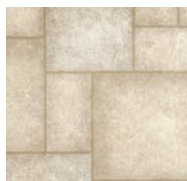
**UL111**  
Sandstone/Sage/Amber



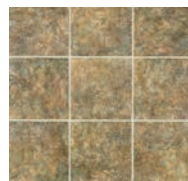
**UL112**  
Moss/Sage/Aspen



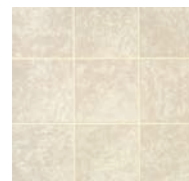
**UL113**  
Multi Bleached Clays



**UL114**  
Light Blush Stone



**UL160**  
Dark Opal Green



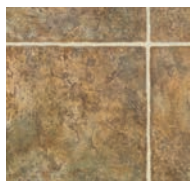
**UL164**  
Opal Bisque

### BRAZILIAN SLATE™

Design Match: 18" Cross Match: 36"  
Do Not Reverse Sheets

### AUTUMN MIST™

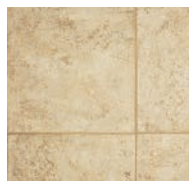
Design Match: 27" Cross Match: 13.09"  
Do Not Reverse Sheets



**UL184**  
Earthen Green

### MOHAVE PAVER™

Design Match: 27" Cross Match: 26.25"  
Reverse Sheets



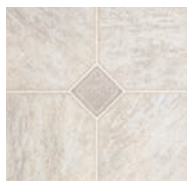
**UL202**  
Bleached Clay

### SONOMA™

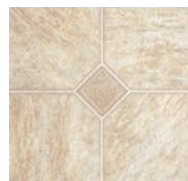
Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



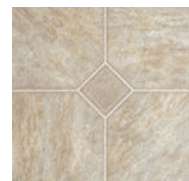
**UL210**  
Straw/Beige



**UL211**  
Bisque/Blue



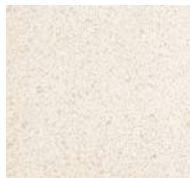
**UL212**  
Wheat



**UL213**  
Clay/Beige

### PEBBLE CREEK™

Design Match: None Cross Match: None  
Do Not Reverse Sheets



**UL230**  
Multi Stoned White



**UL231**  
Multi Stoned Bisque



**UL232**  
Multi Stoned Putty



**UL233**  
Multi Stoned Terra Cotta

### PATAGONIA™

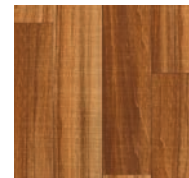
Design Match: 18" Cross Match: 28.75"  
Do Not Reverse Sheets



**UL320**  
Light Poplar



**UL321**  
Medium Poplar



**UL322**  
Red Poplar





## SAHARA™

Design Match: 27" Cross Match: 13.09"  
Do Not Reverse Sheets



**UL250**  
Warm Taupestone



**UL251**  
Light Brownstone



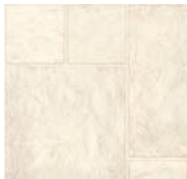
**UL252**  
Soft Claystone



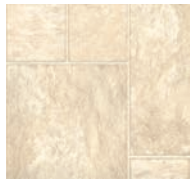
**UL256**  
Golden Terrastone

## BROOKSIDE™

Design Match: 27" Cross Match: 36"  
Do Not Reverse Sheets



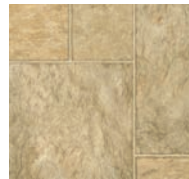
**UL260**  
White Shale Multi



**UL261**  
Bisque Shale Multi



**UL262**  
Blue Shale Multi



**UL263**  
Sage Shale Multi



**UL264**  
Terra Shale Multi

## MONTEGO SLATE™

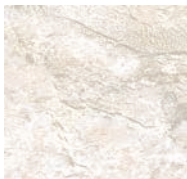
Design Match: 9" Cross Match: 36"  
Do Not Reverse Sheets



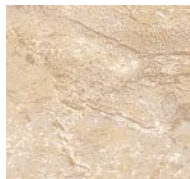
**UL280**  
Light Bisque Slate

## SOHO SLATE™

Design Match: 27" Cross Match: 72"  
Do Not Reverse Sheets



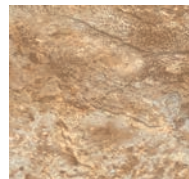
**UL300**  
Soft White



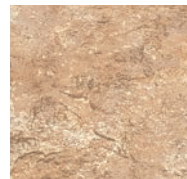
**UL301**  
Cameo Beige



**UL302**  
Pumice Gray



**UL303**  
Mixed Taupe



**UL304**  
Gentle Gold

## SORRENTO™

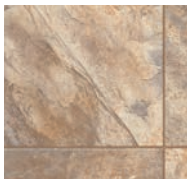
Design Match: 54" Cross Match: 36"  
Do Not Reverse Sheets



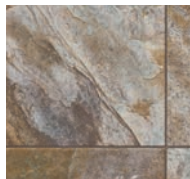
**UL342**  
Coppertone

## MESA SLATE™

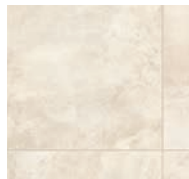
Design Match: 27" Cross Match: 39.5"  
Do Not Reverse Sheets



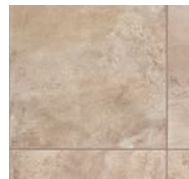
**UL350**  
Grand Canyon



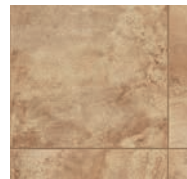
**UL353**  
Picture Rock



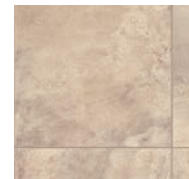
**UL360**  
Soft Satin



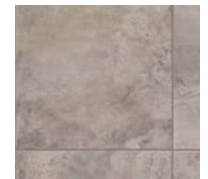
**UL361**  
Sandstone Cove



**UL362**  
Golden Straw



**UL363**  
Desert Tan



**UL364**  
Winter Sky

## MESA™

Design Match: 13.5" Cross Match: 13.09"  
Do Not Reverse Sheets

## NOBILITY™

Design Match: 18" Cross Match: 72"  
Do Not Reverse Sheets



**UL330**  
Bone China



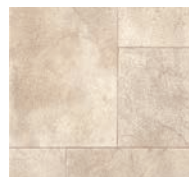
**UL331**  
Royal Gold



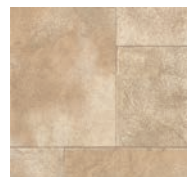
**UL332**  
Clay Inset

## SANDSTONE™

Design Match: 27" Cross Match: 36"  
Do Not Reverse Sheets



**UL370**  
Sea Salt



**UL371**  
Wheatgrass



**UL372**  
Sun Glow



**UL373**  
Jalapeno

## SELECT OAK™

Design Match: 27" Cross Match: 18"  
Do Not Reverse Sheets



**51011**  
Natural Oak



**51012**  
Medium Oak



**51013**  
Dark Oak

## TIMBER TRAIL™

Design Match: Random Cross Match: 72"  
Do Not Reverse Sheets



**51015**  
Java



**51016**  
Roasted Hazelnut

## PROGRESSION™

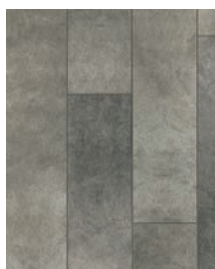
Design Match: Random Cross Match: 72"  
Do Not Reverse Sheets



**51025**  
Cashmere



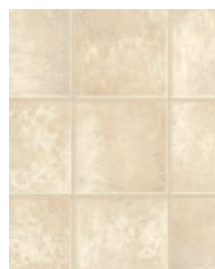
**51026**  
Fossil



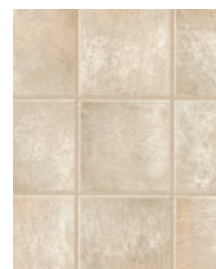
**51027**  
Graphite

## BUILDING BLOCKS™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



**51031**  
Sandbox



**51032**  
Oyster Shell

## METROPOLIS™

Design Match: 27" Cross Match: 72"  
Do Not Reverse Sheets



**51040**  
New White



**51041**  
Cornerstone Beige



**51042**  
Monument Gray



**51043**  
Earthen Clay



**51050**  
Smooth Ivory



**51052**  
Natural Slate

## UPTOWN™

Design Match: None Cross Match: None  
Do Not Reverse Sheets



**51061**  
Sand Bar



**51062**  
Oatmeal



**51064**  
Porcelain



**51066**  
Suede



**51067**  
Brushed Pewter



### BARCELONA™

Design Match: 13.5" Cross Match: 13.09"  
Reverse Sheets



**60007**  
Warm White

### SYMPHONY™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



**60010**  
Multi Golden Beige



**60012**  
Multi Sage/Warm Clay

### INDIANA MAPLE™

Design Match: None Cross Match: 36"  
Do Not Reverse Sheets



**60016**  
Golden



**60017**  
Autumn



**60019**  
Honey Maple

### VINTAGE SLATE™

Design Match: 9" Cross Match: 18"  
Do Not Reverse Sheets



**60052**  
Multi Carmel/Slate



**60054**  
Multi Bisque/Slate



**60055**  
Multi Bleached Slate

### BOMBAY SLATE™

Design Match: 9" Cross Match: 9"  
Do Not Reverse Sheets



**60121**  
Multi Beige Slate

### CASCADE™

Design Match: 27" Cross Match: 24"  
Do Not Reverse Sheets



**60131**  
Colorado Beige

### CANYON RIDGE™

Design Match: 7.71" Cross Match: 8"  
Do Not Reverse Sheets



**60140**  
Bleached Almond



**60141**  
Bleached Clay



**60142**  
Earthen Beige

### CELEBRATION™

Design Match: 27" Cross Match: 24"  
Do Not Reverse Sheets



**60023**  
Multi Graystone



**60024**  
Multi Bisque Stone

### MIRAGE™

Design Match: 13.5" Cross Match: 13.09"  
Do Not Reverse Sheets



**60091**  
Earthen Beige



**60095**  
Earthen Russet

### PROMENADE™

Design Match: 18" Cross Match: 36"  
Do Not Reverse Sheets



**60175**  
Glacier



**60176**  
Sand Drift



**60177**  
Cliffside



**60178**  
Nougat

### RUSTIC PLANK™

Design Match: Random Cross Match: 36"  
Do Not Reverse Sheets



**04500**  
Honeytone



**04501**  
Antique Bronze

### VERANDA™

Design Match: 27" Cross Match: 26.18"  
Do Not Reverse Sheets



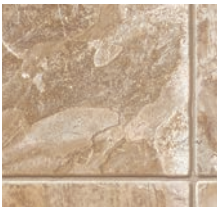
**04505**  
Mesa



**04506**  
Burnt Toast

### TERRACE SLATE™

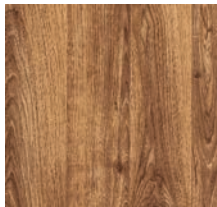
Design Match: 13.5" Cross Match: 13.09"  
Do Not Reverse Sheets



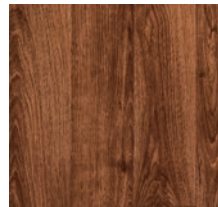
**04510**  
Desert Sand

### TIMBER OAK™

Design Match: 9" Cross Match: 9"  
Do Not Reverse Sheets



**04517**  
Warm Honey



**04518**  
Cinnamon

### WIND STONE™

Design Match: 27" Cross Match: 18"  
Do Not Reverse Sheets



**04525**  
Latte



**04526**  
Mocha



**04527**  
Sand Swept

### BEDFORD SLATE™

Design Match: 27" Cross Match: 36"  
Do Not Reverse Sheets



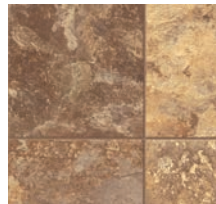
**04530**  
Hemp



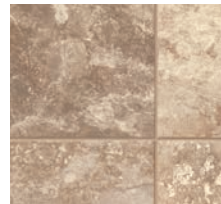
**04531**  
Sienna



**04532**  
Twilight



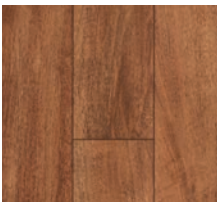
**04533**  
Mesabi Copper



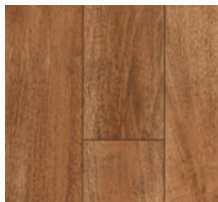
**04534**  
Sand Dune

### FOREST GROVE™

Design Match: Random Cross Match: 48"  
Do Not Reverse Sheets



**04535**  
Auburn



**04536**  
Sienna

### ROCKLIN™

Design Match: 6" Cross Match: 6"  
Do Not Reverse Sheets



**04540**  
Sand Dollar



**04541**  
Country Beige



**04542**  
Rock Garden



### QUARRY RIDGE™

Design Match: 18" Cross Match: 12"  
Do Not Reverse Sheets



**02105**  
Desert Sand



**02106**  
Desert Sunrise



**02107**  
Desert Twilight



**02108**  
Painted Desert

### SEASONS™

Design Match: 6" Cross Match: 6"  
Do Not Reverse Sheets



**02040**  
Multi Stone White



**02041**  
Bleached Clay Beige



**02042**  
Multi Warm Stone



**02043**  
Bluestone/Taupestone



**02044**  
Multi Greenstone



**02045**  
White



**02055**  
Light Red Oak



**02056**  
Deep Oak

### ESCAPE™

Design Match: 27" Cross Match: 26.18"  
Do Not Reverse Sheets



**02058**  
Warm Bisque



**02059**  
Light Coffee



**02060**  
Light Colorado Clay



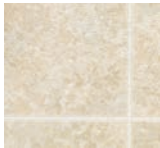
**02062**  
White Clay

### CHATEAU™

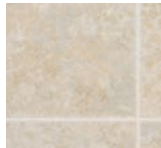
Design Match: 9" Cross Match: 9"  
Do Not Reverse Sheets



**02080**  
Multi Stone White



**02081**  
Multi Stone Bisque



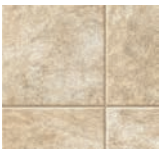
**02083**  
Multi Stone/Spring  
Blue/Bisque



**02084**  
Multi Stone/Deep  
Bisque/Greige

### MOHAVE STONE™

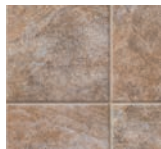
Design Match: 27" Cross Match: 18"  
Do Not Reverse Sheets



**02120**  
Tumbleweed




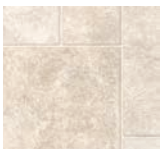
**02121**  
Adobe



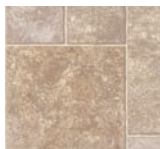
**02122**  
Brown Ember

### PARLOR™

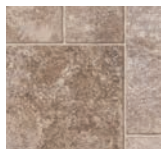
Design Match: 27" Cross Match: 36"   
Do Not Reverse Sheets



**02133**  
Vanilla Shake



**02134**  
Peanut Butter Sundae



**02135**  
Mocha Shake

### NATURAL OAK™

Design Match: 13.5" Cross Match: 13.09"  
Do Not Reverse Sheets



**02055**  
Light Red Oak



**02056**  
Deep Oak

### SURROUNDINGS™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



**02070**  
Multi Bleached Clay



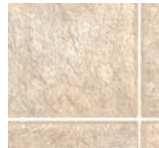
**02072**  
Stone White/Taupe



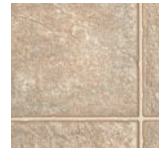
**02073**  
Stone Beige/Greige

### MONACO®

Design Match: 9" Cross Match: 36"  
Do Not Reverse Sheets



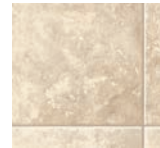
**02111**  
Golden Bisque



**02112**  
Multi Light Greige

### NAPLES™

Design Match: 13.5" Cross Match: 13.09"  
Do Not Reverse Sheets



**02116**  
Seashell



**02117**  
Rustic Beige

### BAVARIAN WOOD™

Design Match: 9" Cross Match: 9"  
Do Not Reverse Sheets



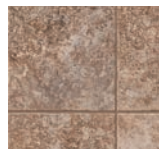
**02130**  
Light Cherry



**02131**  
Medium Brown

### PLAZA COURT™

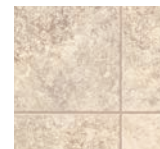
Design Match: 9" Cross Match: 9"  
Do Not Reverse Sheets



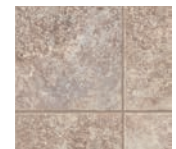
**02140**  
Cocoa Bean



**02141**  
Mohave



**02142**  
Almond



**02143**  
Cappuccino Vento

### OVERALL™

Design Match: Random Cross Match: Random  
Do Not Reverse Sheets



**01000**

Beige

### PLANK™

Design Match: Random Cross Match: 72"  
Do Not Reverse Sheets



**01010**

Natural

### 9" BLOCK™

Design Match: 9" Cross Match: 9"  
Do Not Reverse Sheets



**01020**

Taupe



**01021**

Greige

### 6" BLOCK™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



**01030**

Vanilla



**01031**

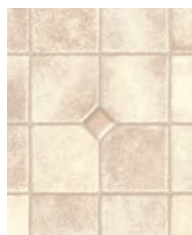
Ecru



# K•TECH<sup>®</sup> *for kitchens* SHEET FLOORING

## TRANSITION™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



**KT001**  
Sand Dune



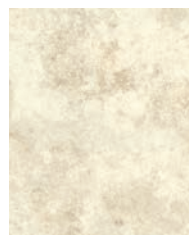
**KT002**  
Iceberg Blue



**KT003**  
Antique Sage

## BEGINNINGS™

Design Match: 27" Cross Match: 72"  
Do Not Reverse Sheets



**KT010**  
Cottontail



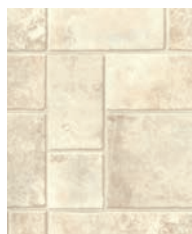
**KT011**  
Whimsical



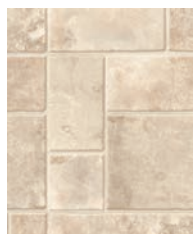
**KT012**  
Pumpkin Patch

## INDULGENCE™

Design Match: 27" Cross Match: 36"  
Do Not Reverse Sheets



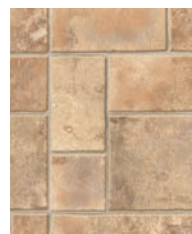
**KT030**  
Crushed Ice



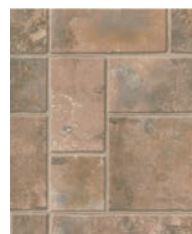
**KT031**  
Crème Brûlée



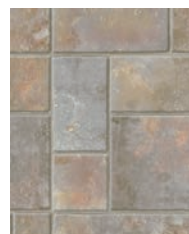
**KT032**  
Toasted Almond



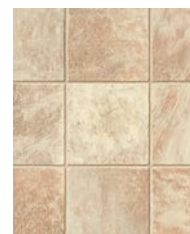
**KT033**  
Peanut Brittle



**KT034**  
Cappuccino



**KT035**  
Milky Way



**KT050**  
Candlelight

## GATHERINGS™

Design Match: 18"  
Cross Match: 12"  
Do Not Reverse Sheets

## RETREAT™

Design Match: 27" Cross Match: 18"  
Do Not Reverse Sheets



**KT040**  
Natural Timber



**KT041**  
Maple Syrup



**KT042**  
Burnished Oak



**KT082**  
Misty Gray

## SANCTUARY™

Design Match: 18"  
Cross Match: 18"  
Do Not Reverse Sheets

## FASCINATION™

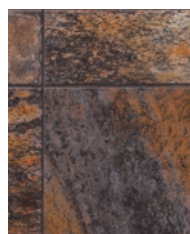
Design Match: 18" Cross Match: 36"  
Do Not Reverse Sheets



**KT101**  
Moon Shadow



**KT102**  
Safari



**KT104**  
Lucky Penny

## CONNECTIONS™

Design Match: 18" Cross Match: 36"  
Do Not Reverse Sheets

## EXPECTATIONS™

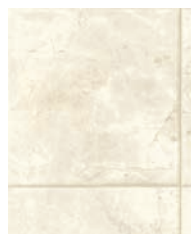
Design Match: 27" Cross Match: 26.18"  
Do Not Reverse Sheets



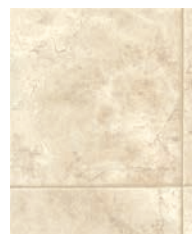
**KT060**  
Fine China



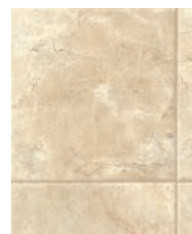
**KT063**  
Smoky Crystal



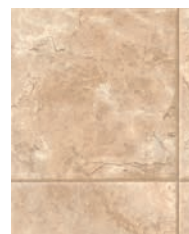
**KT070**  
Winter White



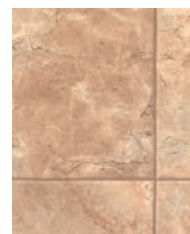
**KT071**  
Morning Mist



**KT072**  
Twilight Gold



**KT073**  
Wheatfield



**KT074**  
Amber Dusk



### CAMBRIDGE TILE™

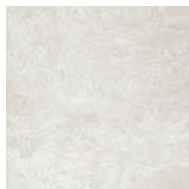


**CG-41**  
Fired Bisque



**CG-74**  
Fired Golden Clay

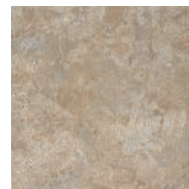
### DREAMSCAPE™



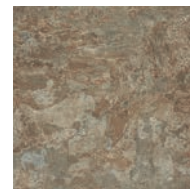
**DS-14**  
Bleached Almond



**DS-23**  
Midnight Gray

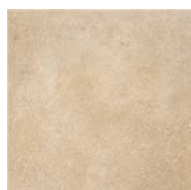


**DS-34**  
Slate Greige



**DS-48**  
Earthen Green

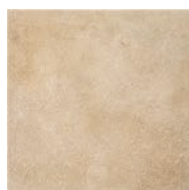
### EARTHPATH™



**EP-14**  
Sunny Clay



**EP-34**  
Smokey Clay



**EP-41**  
Sandy Clay

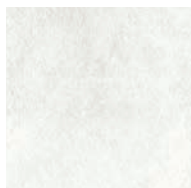


**EP-47**  
Golden Clay



**EP-64**  
Baked Clay

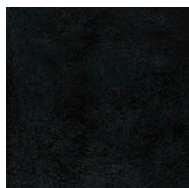
### HEIRLOOM™



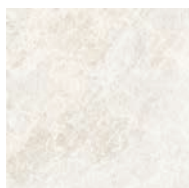
**HE-11**  
White



**HE-14**  
Bisque



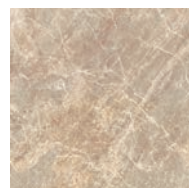
**HE-22**  
Ebony Black



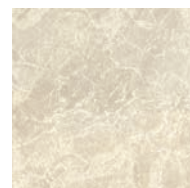
**PC-11**  
Pure White



**PC-14**  
Light Greige



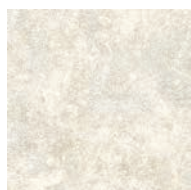
**PC-34**  
Stormy Greige



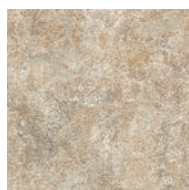
**PC-41**  
Classic Bisque

### PACIFIC MARBLE™

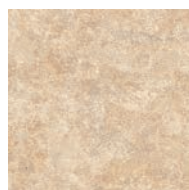
### MERCER TILE™



**ME-13**  
Fired White



**ME-34**  
Fired Greige



**ME-41**  
Fired Bisque



**ME-47**  
Fired Taupe

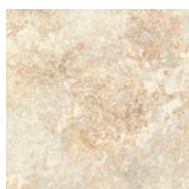


**ME-48**  
Fired Sage

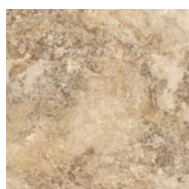
### RAPOLANO™



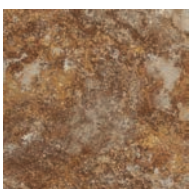
**RA-11**  
Taffeta White



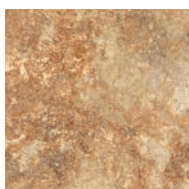
**RA-41**  
Shoreline Mist



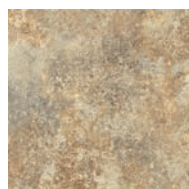
**RA-47**  
Bisque



**RA-54**  
Terra Brown



**RA-64**  
LeMans Sunset



**RA-74**  
Desert Chimney





## RENAISSANCE™



**RN-34**  
Moonstone



**RN-42**  
Sands of Time



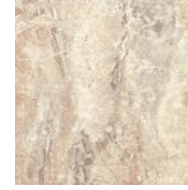
**RN-46**  
Portobello



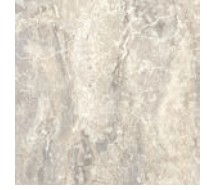
**RN-47**  
Totally Tan



**RN-56**  
Ginger



**RE-31**  
Warm Clay



**RE-43**  
Light Greige

## ROMAN ELEGANCE™

## RUSTIC STONE™



**RU-24**  
Black Earth



**RU-46**  
Tobacco Clay



**RU-47**  
Light Beige



**SA-11**  
White Stone



**SA-41**  
Bisque Stone



**SA-47**  
Golden Stone



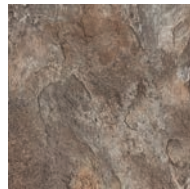
**SA-64**  
Terra Stone

## SANDALSTONE™

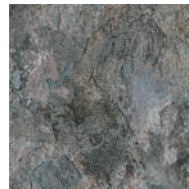
## SIERRA SLATE™



**SI-14**  
Warm Pewter



**SI-34**  
Rain Cloud



**SI-39**  
Blue Slate



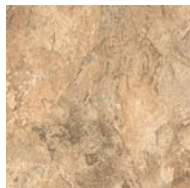
**SI-43**  
Chocolate



**SI-47**  
Flaxen



**SI-54**  
Terra Slate



**SI-64**  
Bleached Clay

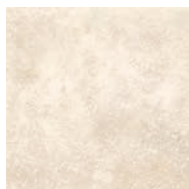


**SI-74**  
Golden Greige



**SI-84**  
Mossy Slate

## TERANO™



**TR-14**  
Bisque Stone



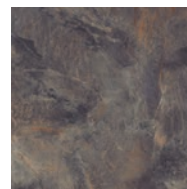
**TR-34**  
Earthen Brown



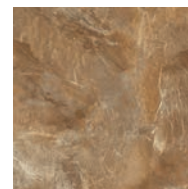
**TR-54**  
Cinnamon



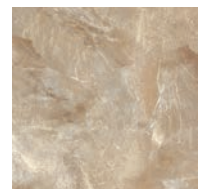
**TR-74**  
Dusk



**VS-36**  
Stormy Night



**VS-46**  
Tiger Eye



**VS-74**  
Swanky Silk

## VILLAGE SLATE™



## ALABASTER™



**AB-14**  
Classic Bisque



**AB-41**  
Light Mocha

## STONE FORD™



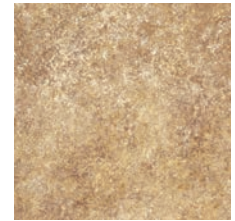
**SF-14**  
Almond



**SF-34**  
Stone Greige



**SF-41**  
Wheat

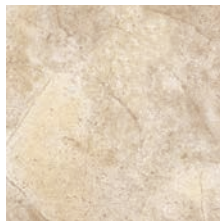


**SF-47**  
Golden Clay

## SUNSTONE™



**SS-11**  
Stone White



**SS-47**  
Sun Beige



**SS-48**  
Greige



**SS-74**  
Earthen Brown

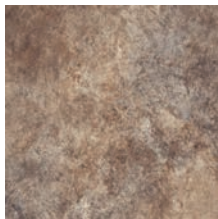
## TEXTURED SLATE™



**TE-34**  
Sand



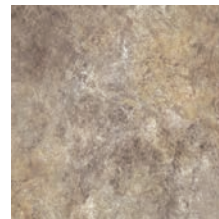
**TE-39**  
Bluestone



**TE-49**  
Brown

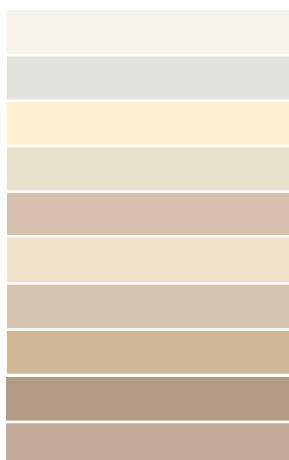


**TE-54**  
Clay



**TE-87**  
Sage

## DURACERAMIC GROUT COLORS



**DG-00** White  
**DG-12** Mist  
**DG-13** French Vanilla  
**DG-14** Biscuit  
**DG-15** Bone  
**DG-48** Almond  
**DG-39** Ivory  
**DG-06** Harvest  
**DG-05** Chamois  
**DG-16** Malt



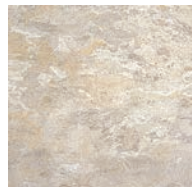
**DG-42** Mocha  
**DG-11** Sahara Beige  
**DG-07** Chocolate  
**DG-93** Warm Gray  
**DG-27** Silver  
**DG-02** Pewter  
**DG-19** Pearl Gray  
**DG-09** Gray  
**DG-47** Charcoal



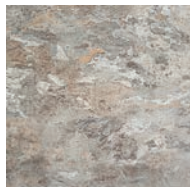
## AMERICAN SLATE™



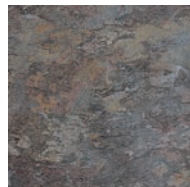
**AS-13**  
Cool White



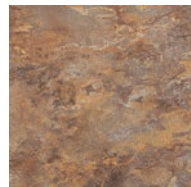
**AS-14**  
Sun Bleached Almond



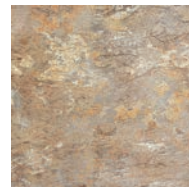
**AS-34**  
Stoney Greige



**AS-39**  
Natural Gray



**AS-46**  
Arizona Rust



**AS-47**  
Colorado Beige

## FESTIVA™



**FS-47**  
Multi Golden Stone



**FS-48**  
Multi Greenstone



**FS-64**  
Multi Earthstone

## HEARTHSTONE™



**HT-43**  
Sandy Clay



**HT-44**  
Earthen Clay

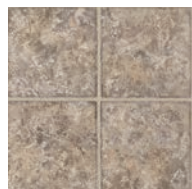


**HT-74**  
Golden Clay

## MARCELLINA™



**MR-14**  
Stoney Almond



**MR-34**  
Stoney Greige



**MR-43**  
Stoney Beige



**MR-46**  
Stoney Russet

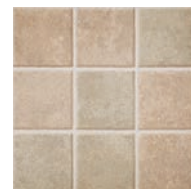
## SYMMETRY™



**SY-13**  
Multi White Stone



**SY-14**  
Multi Bleached Stone



**SY-78**  
Multi Stone

## PALISADE™



**PL-14**  
Whitewash

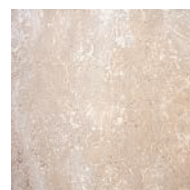


**PL-41**  
Sandstone

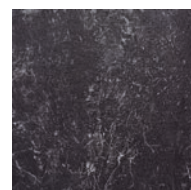
## QUARTZ™



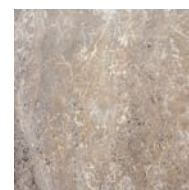
**QZ-13**  
Moonlight White



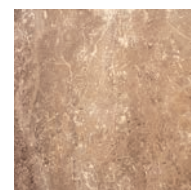
**QZ-16**  
Blushing Dawn



**QZ-29**  
Midnight



**QZ-34**  
Stormy Greige



**QZ-67**  
Amber Sunrise

## VINEYARD™



**VY-13**  
Stone White



**VY-34**  
Slate



**VY-41**  
Bisque



**VY-46**  
Russet



**VY-54**  
Rosestone

FOREST OAK™



**DCP-30**  
Honey



**DCP-31**  
Chocolate



**DCP-32**  
Golden Harvest

CAROLINA HICKORY™



**DCP-40**  
Saddlebrook



**DCP-41**  
Chestnut

WESTERN MAPLE™



**DCP-50**  
Butternut



**DCP-51**  
Caramel



**DCP-52**  
Cinnamon



**CLASSIC OAK™**



**CN001**  
Harvest



**CN002**  
Cinnamon



**CN003**  
Coffee



**CN004**  
Honey

**WEATHERED PINE™**



**CN010**  
Boardwalk



**CN011**  
Savannah



**CN012**  
Parchment

**RUSTIC MAPLE™**



**CN020**  
Iced Tea



**CN021**  
Sunset



**CN022**  
Hazelnut



**CN023**  
Gunstock

**BAMBOO™**



**CN030**  
Chestnut



**CN031**  
Amber

**MERBAU™**



**CN040**  
Rose Merbau



**CN041**  
Mocha

CHERRY™



**EK-01-4 (4")** **EK-01-6 (6")**  
Cherry



**EK-02-4 (4")** **EK-02-6 (6")**  
Cinnamon

OAK™



**EK-03-4 (4")** **EK-03-6 (6")**  
Golden Oak



**EK-04-4 (4")** **EK-04-6 (6")**  
Dark Oak



**EK-05-4 (4")** **EK-05-6 (6")**  
Natural Oak



**EK-06-4 (4")** **EK-06-6 (6")**  
Light Oak

RUSTIC™



**EK-07-4 (4")** **EK-07-6 (6")**  
Nutmeg



**EK-08-4 (4")** **EK-08-6 (6")**  
Gunstock



**EK-09-4 (4")** **EK-09-6 (6")**  
Chestnut

MAPLE™



**EK-10-4 (4")** **EK-10-6 (6")**  
Natural



OAK™ 



**CF036**  
Golden Oak



**CF046**  
Dark Oak

RUSTIC™ 



**CF076**  
Nutmeg



**CF086**  
Gunstock

MAPLE™ 



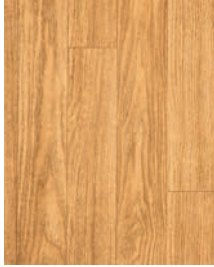
**CF106**  
Natural

### SELECT OAK™

Design Match: 27" Cross Match: 18"  
Do Not Reverse Sheets



**51011**  
Natural Oak



**51012**  
Medium Oak



**51013**  
Dark Oak

### TIMBER TRAIL™

Design Match: Random Cross Match: 72"  
Do Not Reverse Sheets



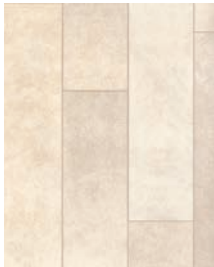
**51015**  
Java



**51016**  
Roasted Hazelnut

### PROGRESSION™

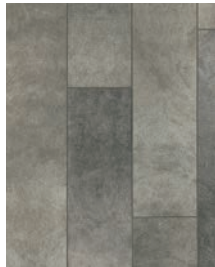
Design Match: Random Cross Match: 72"  
Do Not Reverse Sheets



**51025**  
Cashmere



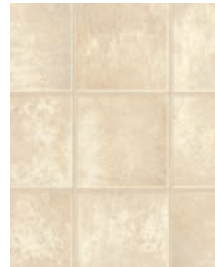
**51026**  
Fossil



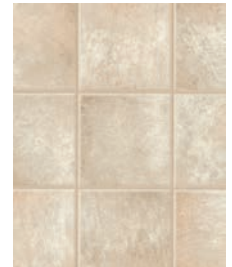
**51027**  
Graphite

### BUILDING BLOCKS™

Design Match: 18" Cross Match: 18"  
Do Not Reverse Sheets



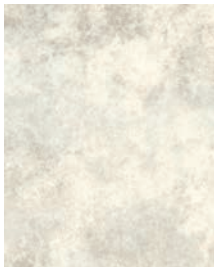
**51031**  
Sandbox



**51032**  
Oyster Shell

### METROPOLIS™

Design Match: 27" Cross Match: 72"  
Do Not Reverse Sheets



**51040**  
New White



**51041**  
Cornerstone Beige



**51042**  
Monument Gray



**51043**  
Earthen Clay



**51050**  
Smooth Ivory



**51052**  
Natural Slate

### UPTOWN™

Design Match: None Cross Match: None  
Do Not Reverse Sheets



**51061**  
Sand Bar



**51062**  
Oatmeal



**51064**  
Porcelain

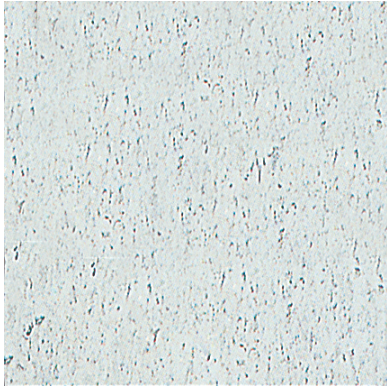


**51066**  
Suede

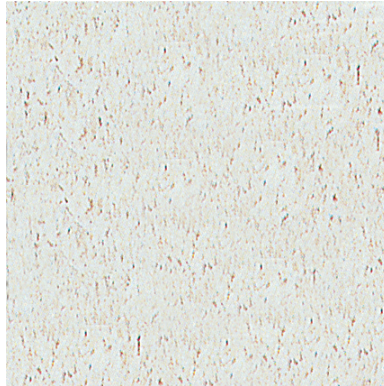


**51067**  
Brushed Pewter





**CH-12**  
Stone White



**CH-14**  
Light Pebble Beige



**CH-17**  
Antique White



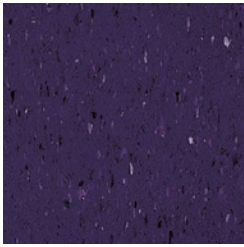
**CH-31**  
Steel



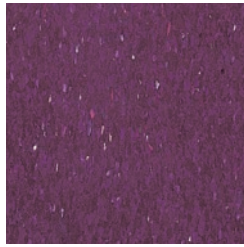
**CH-41**  
Light Earthen Taupe



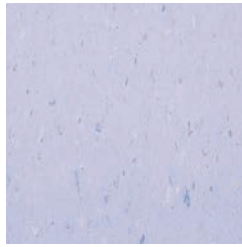
**CH-47**  
Mushroom



**AL-00**  
Deep Purple



**AL-01**  
Plum



**AL-02**  
Lilac



**AL-06**  
Multi/Desert



**AL-10**  
Multi/Berry



**AL-11**  
Pearl White



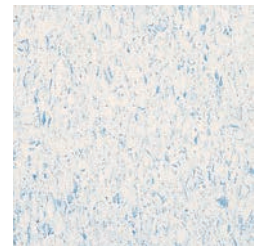
**AL-13**  
Heathered Stone Blue/  
Coffee



**AL-15**  
Heathered Rose



**AL-18**  
Emerald Lace



**AL-19**  
White/Coastal



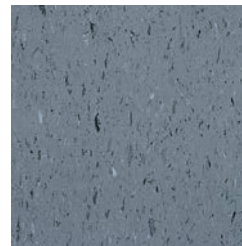
**AL-21**  
Ebony



**AL-25**  
Confetti Black



**AL-31**  
Pewter Shadow



**AL-32**  
Medium Stone Gray



**AL-33**  
Iron Gray



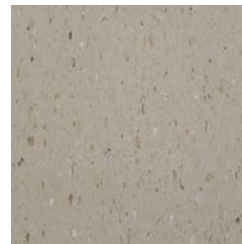
**AL-34**  
Greige/Taupe



**AL-35**  
Heathered Blue/Rose



**AL-37**  
Putty/Clay/Sienna



**AL-40**  
Warm Taupe



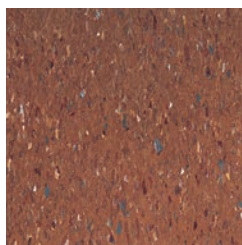
**AL-41**  
Multi/Toast



**AL-43**  
Mushroom



**AL-44**  
Coffee/Walnut



**AL-46**  
Multi/Coronado



**AL-47**  
Golden Wheat



# ALTERNATIVES®

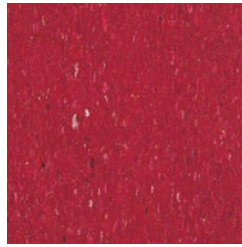
## COMMERCIAL VINYL COMPOSITION TILE FLOORING



**AL-49**  
Heathered Blue/  
Mocha



**AL-56**  
Soft Shell



**AL-59**  
Cherry Pepper



**AL-60**  
Orange Glow



**AL-64**  
Santa Fe Clay



**AL-65**  
Light Pumpkin



**AL-70**  
Brilliant Yellow



**AL-71**  
Washed Cornsilk



**AL-75**  
Confetti White



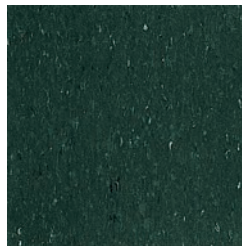
**AL-78**  
Olive Mist



**AL-79**  
Multi Sea



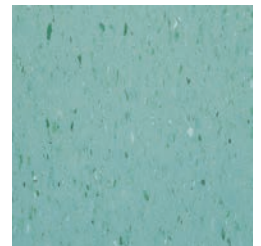
**AL-80**  
Light Berry Blossom



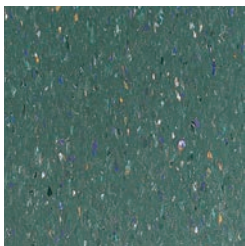
**AL-82**  
Forest Green



**AL-85**  
Heathered Spruce/  
Blush



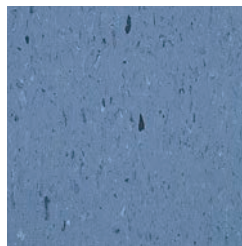
**AL-86**  
Spruce



**AL-87**  
Multi/Botanical



**AL-89**  
Aqua Spring



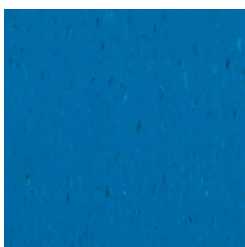
**AL-90**  
Horizon Blue



**AL-91**  
Cloud Blue



**AL-92**  
Denim



**AL-96**  
Cobalt Blue



**AL-99**  
Multi/Navy



## TT SERIES™

COMMERCIAL VINYL COMPOSITION TILE FLOORING



**TT-11**  
Pearl White



**TT-12**  
Stone White



**TT-14**  
Light Pebble Beige



**TT-17**  
Antique White



**TT-33**  
Iron Gray



**TT-41**  
Light Earthen Taupe



**TT-43**  
Mushroom



## CX SERIES®

COMMERCIAL VINYL COMPOSITION TILE FLOORING



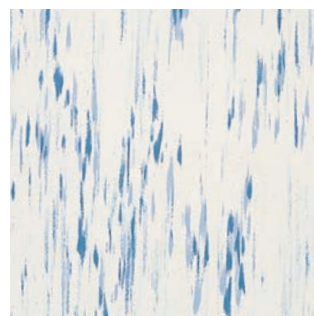
**CX-12**  
White/Steel



**CX-14**  
White/Light Pebble



**CX-47**  
Earthen Beige



**CX-91**  
White/Deep Blue



## Technical Information



# Consumer Flooring Guide

Maintenance and Warranty Information

*Congoleum*<sup>®</sup>  
2012

# Caring for Your Floor

## Immediately After Installation

- Protect and do not disturb the sealed seams on your resilient sheet flooring for at least 16 hours after seam sealer application to ensure a proper seam bond.
- Keep traffic to a minimum during the first 24 hours to allow the adhesive to harden. Then open to light foot traffic only for the next 24 hours. Resume normal traffic after 48 hours.
- Furniture should not be placed on the floor for 24 hours so the adhesive (and grout, if applicable), have adequate time to dry.
- Always move heavy furniture and appliances with care to avoid gouging or tearing the floor. First, lay strips of plywood or hardboard panels on the floor. Then roll, "walk" or slide these items on the strips. Do not push or pull appliances and heavy furniture without taking these precautions.
- Wash your floor using Congoleum Bright 'N Easy No-Rinse Cleaner or other suitable floor cleaner 48 hours after installation.
- Immediately after the installation of a Connections floor:
  - Keep the room temperature between 65° and 85°F for at least 48 hours after installation. Maintain the room temperature between 55° and 85°F thereafter.
  - Do not wash or scrub Connections flooring for at least 5 days after installation. This allows the adhesive bond to develop by preventing moisture and cleaning agents from interfering with the bonding process. Spot cleaning is acceptable, but do not apply excess moisture or cleaning solution.

**Caution:** Resilient flooring, like other types of smooth floors, can become slippery when wet. Allow time for the floor to dry after washing. Immediately wipe up wet areas from spills or wet feet. Place mats at outside entrances to prevent water, snow or ice from being tracked onto your floor. Improper polishes or finishes can also cause slipperiness.

## Preventative Care

- Make sure furniture legs have large surface, nonstaining floor protectors. Replace small, narrow metal or dome-shaped glides with smooth, flat glides, that are flat on the floor. Glides should be equipped with self-adhesive felt pads to avoid scratching the surface of the floor. The pads should be checked periodically for grit and wear and replaced when necessary.
- Heavy furniture or appliances should be equipped with flat, nonstaining composition furniture casters or cups of appropriate size - available square from 1 1/2" to 2 5/8" and round from 1 3/8" to 1 5/8".
- Moveable appliances and furniture should be equipped with easily swiveling casters. They should be at least 2" in diameter with nonstaining hard rubber treads with a minimum 3/4" flat surface width. Do not use ball-shaped casters.
- Place mats at outside entrances to prevent dirt, grit and soil from being tracked onto your floor. Use 100% latex-backed mats (labeled nonstaining), because some rubber-backed mats or carpets may permanently discolor your floor.
- To help prevent staining from asphalt tracking, we recommend the use of a latex-based driveway sealer.
- Draw drapes and blinds during peak periods of strong sunlight. Flooring, like other home furnishing products, may discolor or fade when over-exposed to the sun.
- Heat-producing appliances such as a refrigerator or range, or hot air registers emitting a direct flow of heat in excess of 120° F, even intermittently, can scorch, burn, discolor or fade your floor. Cigarettes, matches and other very hot objects can also damage your floor.
- Avoid wearing stiletto or spiked heels on your floor. These types of heels can indent or damage many types of floors.

- DO NOT USE STEAM CLEANERS on Congoleum Floors, they can permanently damage the floor.

## Regular Care (all products)

- Sweep or vacuum regularly to remove dirt and grit that can abrade, dull or scratch your floor. Do not use a vacuum with a beater brush, because it may damage the floor's surface.
- Wipe up spills promptly with a damp cloth or mop.
- For a more thorough cleaning, wash your floor with Congoleum Bright 'N Easy No-Rinse Cleaner or other suitable, non-detergent based resilient floor cleaner.

**Caution:** Avoid one-step "mop and polish" products, dishwashing liquids and oil-based cleaners. These may leave a residue which can attract dirt and dull your floor's finish. Avoid cleaners that contain abrasives or solvents which may permanently damage your floor.

- Remove excess water after washing the floor.
- A copolymer or acrylic grout sealer compatible with acrylic grouts may be used on DuraCeramic Grout. Do not use a penetrating silicone sealer on the grout.
- The gloss level may change over time depending on the amount of traffic, care, and maintenance the floor receives. To restore the appearance, first use Congoleum Bright 'N Easy Polish Remover to remove any ground-in dirt and excess polish buildup. Rinse thoroughly. Then apply Congoleum Bright 'N Easy Floor Polish (03002) to obtain a high-gloss finish or Congoleum Bright 'N Easy Satin-Gloss Floor Polish (03007) to obtain a satin-gloss or natural-gloss finish. Do not apply polish to Ultima, DuraCeramic, DuraPlank II, DuraStone, AirStep Evolution or AirStep Plus.

## Care for Alternatives, Choices and CX Series

These products **require** a polish to seal and protect the color and design. A minimum of two coats of polish for residential use and three to five coats for commercial use is required.

## Initial Residential Maintenance

After the floor has been installed and the adhesive has dried (48 hours), initial maintenance **MUST BE** performed on your Alternatives, Choices or CX Series floor. If these instructions are not followed, permanent staining may occur.

- Sweep or vacuum the floor to remove loose dirt.
- If needed, after installation use lighter fluid applied with a clean cloth to remove scuff marks and adhesive residue. Keep traffic off treated area for 30 minutes.
- **Caution:** Lighter fluid is a flammable solvent. Carefully read and follow cautionary information on label.
- Wash the floor with Congoleum Bright 'N Easy No-Rinse Cleaner or other suitable resilient floor cleaner. Be sure it is thoroughly dry before applying polish.
- Apply a minimum of two coats of Congoleum Bright 'N Easy Floor Polish to seal and protect the floor.

## Regular Maintenance

- Follow the general maintenance tips.
- Apply additional coats of polish as needed.

## Periodic Maintenance

- Periodically, it will be necessary to remove polish buildup. Use Congoleum Bright 'N Easy Polish Remover, following label instructions. Rinse well and allow to dry before re-applying polish.
- Each time the polish is stripped, apply a minimum of two coats of Congoleum Bright 'N Easy Floor Polish to reseal and protect the floor.



## How to Treat Stains, Spills and Scuffs

Follow the remedies in order. Unless instructed otherwise, use a clean, white cloth or towel with the recommended liquids. Always rinse the affected area with clean water after treatment.

### Stains and Spills

Acids, Alkalies	Fruit and Fruit Juices
Blood	Grass
Catsup, Mustard	Iodine, Mercurochrome
Cleaners, Strong Soaps	Rust†
Dye, Dye Markings	Urine, Excrement
Food, Candy	Vomit

### Paint and Solvent Spills

Dry Cleaning Fluids	Solvents
Lacquer	Oil-Based Paints
Latex Paints	Wood Stains
Nail Polish	Varnish

### Substances That Won't Wipe Up

Adhesives	Grease
Asphalt	Candle Wax
Chewing Gum	Tar
Oil	

### Scuffs and Smudges

Rubber Heel Marks	Scuffs
Shoe Polish	Smudges

### Remedy

- Scrub area with Congoleum Bright 'N Easy No-Rinse Cleaner full strength.
  - Rub the area with a 10 to 1 dilution of water to liquid bleach.
  - Rub the area with isopropyl alcohol\*.
- † If rust stain does not respond, use lemon juice or a cream of tartar solution.

### Remedy

- If substance is dry, gently peel it from the floor. (Avoid sharp instruments that could scratch the floor.)
- Scrub area with Congoleum Bright 'N Easy No-Rinse Cleaner.
- Rub lightly with mineral spirits or paint thinner\*.

### Remedy

- Carefully remove excess with a dull kitchen knife.
- Scrub area with Congoleum Bright 'N Easy No-Rinse Cleaner.
- Rub lightly with mineral spirits, isopropyl alcohol\* or lighter fluid\*.

### Remedy

- Scrub area with Congoleum Bright 'N Easy No-Rinse Cleaner.
- Rub lightly with isopropyl alcohol\* or lighter fluid\*.

**Caution:** Isopropyl alcohol, lighter fluid, mineral spirits and paint thinner are flammable solvents. Carefully read and follow cautionary information on label. Keep traffic off treated area for 30 minutes.\*

## Congoleum Residential Limited Warranties

### LIFELONG Limited Warranty

#### Products Covered: DuraCeramic, DuraPlank II and DuraStone

The Lifelong Limited Warranty means that your new floor:

	Warranty Period
• will not wear out	Lifelong
• will be free of manufacturing defects	Lifelong
• will not fade	Lifelong
• will not stain	Lifelong

DuraCeramic and DuraPlank II featuring Scotchgard™ Protector provides these additional warranty provisions:

	Warranty Period
• will be easy to clean	15 Years
• will repel dirt and grime	15 Years

The **Lifelong Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

See the Five-Year Commercial Limited Warranty for DuraCeramic, DuraPlank II and DuraStone installed in light commercial applications.

### ★★★★★ FIVE-STAR Limited Warranty

#### Product Covered: Ultima

The Five-Star Limited Warranty means that your new floor:

	Warranty Period
• will not wear out	Lifelong
• will be free of manufacturing defects	Lifelong
• will not stain including stains from asphalt tracking, rubber-backed mats and common household items	25 Years
• will not permanently scuff from shoe soles including sneakers	25 Years
• will not fade or discolor from heat or sunlight	25 Years
• will not discolor from mold, mildew or alkali	25 Years
• will not gouge, rip or tear from normal use	25 Years
• will not permanently indent when proper floor protectors are used	25 Years

Ultima featuring Scotchgard™ Protector provides these additional warranty provisions:

	Warranty Period
• will be easy to clean	15 Years
• will repel dirt and grime	15 Years

The **Five-Star Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### ★★★★ **FOUR-STAR** Limited Warranty

#### **Product Covered: Flor-Ever Plus**

*The Four-Star Limited Warranty means that your new floor:*

	Warranty Period
• will not wear out	Lifelong
• will be free of manufacturing defects	Lifelong
• will not stain including stains from asphalt tracking, rubber-backed mats and common household items	10 Years
• will not gouge, rip, tear or indent from normal use	10 Years
• will not permanently scuff from shoe soles including sneakers	10 Years
• will not discolor from mold, mildew or alkali	10 Years

The **Four-Star Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

See the Five-Year Commercial Limited Warranty for Flor-Ever Plus installed in light commercial applications.

### ★★★ **THREE-STAR** Limited Warranty

#### **Products Covered: Endurance Plank, Fast Track and Pacesetter**

*The Three-Star Limited Warranty means that your new floor:*

	Warranty Period
• will not wear out	12 Years
• will be free of manufacturing defects	12 Years
• will not stain including stains from asphalt tracking, rubber-backed mats and common household items	10 Years
• will not gouge, rip, tear or indent from normal use	10 Years
• will not permanently scuff from shoe soles including sneakers	10 Years
• will not discolor from mold, mildew or alkali	10 Years

The **Three-Star Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### ★★ **TWO-STAR** Limited Warranty

#### **Products Covered: Alternatives, Choices, and CX Series**

*The Two-Star Limited Warranty means that your new floor:*

	Warranty Period
• will not wear out	10 Years
• will be free of manufacturing defects	10 Years
• will not discolor from mold, mildew or alkali	5 Years

The **Two-Star Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### ★ **ONE-STAR** Limited Warranty

#### **Product Covered: Prelude**

*The One-Star Limited Warranty means that your new floor:*

	Warranty Period
• will be free of manufacturing defects	5 Years
• will not discolor from mold, mildew or alkali	5 Years

*In addition, Prelude with its ArmorGuard Protection is covered for five years for the following:*

	Warranty Period
• will not wear out	5 Years
• will not gouge, rip, tear or indent from normal use	5 Years
• will not stain from asphalt tracking	5 Years

The **One-Star Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for years one through three if professional installation was paid for when the original floor was installed. After three years and through five years, the warranty covers material only; labor will not be paid.

### **1-YEAR RESIDENTIAL** Limited Warranty

#### **Product Covered: Forecast**

*The 1-Year Limited Warranty means that your new floor:*

	Warranty Period
• will be free of manufacturing defects	1 Year

The **1-Year Residential Limited Warranty** provision covers material only for the period of the warranty; labor will not be paid.

### **AIRSTEP LIFELONG** Limited Warranty

#### **Product Covered: AirStep Evolution**

*The AirStep Lifelong Limited Warranty means that your new floor:*

	Warranty Period
• will not wear out	Lifelong
• will be free of manufacturing defects	Lifelong
• will not stain including stains from asphalt tracking, rubber-backed mats and common household items	25 Years
• will not permanently scuff from shoe soles including sneakers	25 Years
• will not fade or discolor from heat or sunlight	25 Years
• will not discolor from mold, mildew or alkali	25 Years
• will not gouge, rip or tear from normal use	25 Years
• will not permanently indent when proper floor protectors are used	25 Years

AirStep Evolution featuring Scotchgard Protector™ provides these additional warranty provisions which mean that your new floor:

	Warranty Period
• will be easy to clean	15 Years
• will repel dirt and grime	15 Years

Correct installation practices must be followed to ensure a trouble-free installation. While installation errors are the responsibility of your flooring installer and not covered by Congoleum's warranty, if the flooring is correctly installed following all guidelines in the AirStep installation instructions, your AirStep Evolution floor will be warranted:

1. not to curl	20 Years
2. not to open at seams	20 Years
3. not to buckle	20 Years
4. not to release over joints in underlayment panels	20 Years

The conditions 1, 2, 3 and 4 above will be warranted as long as the flooring is installed in an occupied residence that maintains a temperature range of 55° to 100° F. Any of the above conditions will not be covered if caused by job site environmental conditions in new construction or renovation work.

The **AirStep Lifelong Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### **AIRSTEP 20-YEAR** Limited Warranty

#### **Product Covered: AirStep Plus**

*The AirStep 20-Year Limited Warranty means that your new floor:*

	Warranty Period
• will not wear out	20 Years
• will be free of manufacturing defects	20 Years
• will not stain including stains from asphalt tracking, rubber-backed mats and common household items	20 Years
• will not permanently scuff from shoe soles including sneakers	20 Years
• will not fade or discolor from heat or sunlight	20 Years
• will not discolor from mold, mildew or alkali	20 Years
• will not gouge, rip or tear from normal use	20 Years
• will not permanently indent when proper floor protectors are used	20 Years

AirStep Plus featuring Scotchgard™ Protector provides these additional warranty provisions which mean that your new floor:

	Warranty Period
• will be easy to clean	15 Years
• will repel dirt and grime	15 Years

Correct installation practices must be followed to ensure a trouble-free installation. While installation errors are the responsibility of your flooring installer and not covered by Congoleum's warranty, if the flooring is correctly installed following all guidelines in the AirStep installation instructions, your AirStep Plus floor will be warranted:

1. not to curl	20 Years
2. not to open at seams	20 Years
3. not to buckle	20 Years
4. not to release over joints in underlayment panels	20 Years

The conditions 1, 2, 3 and 4 above will be warranted as long as the flooring is installed in an occupied residence that maintains a temperature range of 55° to 100° F. Any of the above conditions will not be covered if caused by job site environmental conditions in new construction or renovation work.

The **AirStep 20-Year Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### AIRSTEP 10-YEAR Limited Warranty

#### Product Covered: AirStep Basix

The AirStep 10-Year Limited Warranty means that your new floor:

	Warranty Period
• will not wear out	10 Years
• will be free of manufacturing defects	10 Years
• will not stain including stains from asphalt tracking, rubber-backed mats and common household items	10 Years
• will not permanently scuff from shoe soles	10 Years
• will not fade or discolor from heat or sunlight	10 Years
• will not discolor from moisture or underlayment panels	10 Years
• will not gouge, rip or tear from normal use	10 Years
• will not permanently indent when proper floor protectors are used	10 Years

Correct installation practices must be followed to ensure a trouble-free installation. While installation errors are the responsibility of your flooring installer and not covered by Congoleum's warranty, if the flooring is correctly installed following all guidelines in the AirStep installation instructions, your AirStep Basix floor will be warranted:

1. not to curl	10 Years
2. not to open at seams	10 Years
3. not to buckle	10 Years
4. not to release over joints in underlayment panels	10 Years

The conditions 1, 2, 3, & 4 above will be warranted as long as the flooring is installed in an occupied residence that maintains a temperature range of 55° to 100° F. Any of the above conditions will not be covered if caused by job site environmental conditions in new construction or renovation work.

The **AirStep 10-Year Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs during years one through two if professional installation was paid for when the original floor was installed. For years three through five, the warranty covers material and 50% of reasonable labor costs if professional installation was paid for when the original floor was installed. After the fifth year, the warranty covers material only; labor will not be paid.

### 25-YEAR Residential Limited Warranty

#### Product Covered: Connections

The 25-Year Residential Limited Warranty means that your new floor:

	Warranty Period
• will not wear out	25 Years
• will be free of manufacturing defects	25 Years
• will not fade	25 Years
• will not stain	25 Years

The **25-Year Residential Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### 20-YEAR Residential Limited Warranty

#### Product Covered: Ovations

The 20-Year Residential Limited Warranty means that your new floor:

	Warranty Period
• will not wear out	20 Years
• will be free of manufacturing defects	20 Years
• will not fade	20 Years
• will not stain	20 Years

The **20-Year Residential Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### 10-YEAR Residential Limited Warranty

#### Product Covered: Carefree Plank

The 10-Year Residential Limited Warranty means that your new floor:

	Warranty Period
• will be free of manufacturing defects	10 Years
• will not wear out	10 Years

The **10-Year Residential Limited Warranty** provision covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### Five-Year Commercial Limited Warranty

#### Products Covered: Alternatives, Choices, CX Series, DuraCeramic, DuraPlank II, DuraStone, Flor-Ever Plus, Connections and Carefree Plank

The Five-Year Commercial Limited Warranty means that your new floor:

	Warranty Period
• will be free of manufacturing defects	5 Years
• will not discolor from mold, mildew or alkali	5 Years

The **Five-Year Commercial Limited Warranty** provision covers material for the warranty period and reasonable labor costs during year one if professional installation was paid for when the original floor was installed. For years two through three, the warranty covers material and 50% of reasonable labor costs if professional installation was paid for when the original floor was installed. After the third year the warranty covers material only; labor will not be paid.

### General Warranty Information

All Congoleum Residential and Commercial Flooring Warranties:

- Cover only first quality materials purchased after February 1, 2012.
- Are not transferable.
- Apply to normal residential applications only. The Five-Year Commercial Limited Warranty applies if the product is used in a commercial application.
- For a floor to "wear out" is defined as the absence of the wearlayer and printed design due to normal household use. Scratching is not "wear out".



- “Permanent scuff marks” is defined as non-removable marks made on the surface of the wearlayer by shoe soles. Loss of gloss, scratches and dulling are not considered scuffs and are excluded.
- If covered under these warranties, only one replacement floor will be provided for discoloration from mold, mildew and alkali, staining, wear out, fading, scuffing, rips, tears or gouges. The replacement floor will not be warranted against future mold, mildew and alkali, staining, wear out, fading, scuffing, rips, tears or gouges.
- Products covered with an indent warranty will only be covered if adequate furniture floor protectors are used. The size of the protector should be in proportion to the weight of the furniture; the heavier the item, the wider the floor protector should be.

### Exclusions ...What Is Not Covered

- Problems due to improper installation, non-recommended subflooring or improper subfloor preparation, improper floor care and installation products, or failure to follow maintenance recommendations.
- Change of gloss level, dulling, scratching, cutting, chipping, breakage or grout staining.
- Problems due to accidents, abuse, or improper usage. Some examples are: damage from moving appliances or sliding of furniture without adequate protection, rolling casters on furniture, appliance and plumbing leaks, rotating beater bars on vacuum cleaners, damage caused by heat from steam cleaning devices, dropping of heavy or sharp objects, and damage or discoloration from burns or fire.
- Problems due to extreme temperatures or fading from sunlight.
- Problems due to installation in unheated rooms.
- Color or design variations from samples and literature.
- Problems due to excessive moisture or water leaks and floods.
- Damage occurring during renovation or construction.
- Use of floor mats that are not labeled “nonstaining”.
- Labor on non-professionally installed floors or material that is professionally installed with obvious visible defects.

Unless specifically stated as being covered in these warranties, the following items are not covered.

- Permanent scuffs.
- Stains or discoloration.
- Rips, tears, gouges, or indentations.

### Warranty Remedy

If your Congoleum floor fails to perform under the conditions of the applicable limited warranty within the warranty period, Congoleum will at its option repair the defective area(s) or supply new Congoleum material of the same color, design, and grade, if available; if unavailable or discontinued, Congoleum reserves the right to select and supply similar Congoleum materials. After corrective action is taken on an existing defect, you will continue to receive warranty coverage for the remaining period of your original warranty unless indicated otherwise.

### How To Make A Claim

If you find a defect or other matter covered by any of the limited warranties described previously, the retailer who sold the floor covering material should be notified in writing promptly and must be supplied proof-of-purchase. The correspondence with the retailer should include the product purchased, the amount purchased, installation costs (if applicable) and the date of purchase. If necessary, the retailer will then notify a Congoleum representative who will review the claim or arrange for inspection of the floor. The normal time period for review or inspection after the claim has been filed with Congoleum is within 60 days.

If you are unable to contact your retailer, write to us at: Congoleum Corporation, Dept. C, 3500 Quakerbridge Road, P.O. Box 3127, Mercerville, NJ, 08619, USA. Proof of purchase must be provided with correspondence.

### Consequential Or Incidental Damages

Congoleum excludes and will not pay consequential or incidental damages under these limited warranties. By this we mean that Congoleum will not cover or pay for any loss, expense, or damage other than to the flooring itself that may result from a defect in the flooring. Some examples of consequential or incidental damages are: replacement of subfloors, trim moldings, disconnecting/reconnecting appliances or fixtures, or moving of furniture. If flooring was installed in a commercial application, this means that Congoleum will not cover or pay for any loss, expense, damage or loss of profit arising from inability to use the floor or premises because of a defect in the flooring.

### Implied Warranties

There are no implied warranties, including warranties of merchantability and fitness for a particular use, extending beyond the limited warranties available under this plan.

**Please Note:** Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply.

### Your Legal Rights

These limited warranties give you specific legal rights and you may also have other rights which vary from state to state, except for these other rights, the remedies provided in the above warranties state the limit of Congoleum Corporation's responsibility.

No representative, employee, or agent of Congoleum is authorized to modify or change the limited warranties as stated herein.

### Contact Us

If you have any questions regarding your new Congoleum floor, need additional maintenance information or require any other assistance, please call Congoleum Consumer Information at 609-584-3000, Monday through Friday, 8:30 a.m. to 5:00 p.m. EST. or go to our website at [www.congoleum.com](http://www.congoleum.com). **Thank you for choosing Congoleum.**

3500 Quakerbridge Road, PO Box 3127  
Mercerville, NJ 08619-0127 • [www.congoleum.com](http://www.congoleum.com)

**Congoleum®**

**February 2012**

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AIRSTEP, AIRSTEP BASIX, AIRSTEP EVOLUTION, AIRSTEP PLUS, ALTERNATIVES, ARMORGUARD, BRIGHT 'N EASY, CAREFREE PLANK, CHOICES, CONNECTIONS, CX SERIES, DURACERAMIC, DURAPLANK II, DURASTONE, ENDURANCE PLANK, EVOLUTION, FAST TRACK, FIVE-STAR, FLOR-STAR, FLOR-EVER, FORECAST, OVATIONS, PRELUDE AND ULTIMA ARE REGISTERED TRADEMARKS OF CONGOLEUM CORPORATION. FLOR-EVER PLUS, PACESETTER are trademarks of Congoleum Corporation.

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## Technical Reference Guide

*Congoleum*<sup>®</sup>  
2012



# Technical Data

PATTERN NUMBER	PATTERN NAME	YOUR CHOICE INSTALL.	REVERSE SHEETS	ECONOMY MATCH FOR SEAMING		TRUE DESIGN REPEAT	
				LENGTH	WIDTH	LENGTH	WIDTH
ULTIMA		Adhesive: 3044		Seam Sealer: SU106			
UL001 - UL003	Hampton Crossing	Yes	No	6"	36"	54"	36"
UL012 - UL015	Natural Plank	Yes	No	27"	48"	54"	48"
UL022 - UL025	Durango	Yes	No	27"	52.36"	54"	52.36"
UL060 - UL062	Charisma	Yes	No	18"	18"	18"	18"
UL072 - UL074	Destiny	Yes	No	18"	18"	18"	18"
UL081	Atrium Walk	Yes	No	18"	18"	54"	36"
UL110 - UL114	Random Paver	Yes	No	27"	24"	27"	24"
UL160 - UL164	Brazilian Slate	Yes	No	18"	36"	18"	36"
UL184	Autumn Mist	Yes	No	27"	13.09"	27"	13.09"
UL202	Mohave Paver	Yes	Yes	27"	26.25"	27"	26.25"
UL210 - UL213	Sonoma	Yes	No	18"	18"	18"	18"
UL230 - UL233	Pebble Creek	Yes	No	None	None	None	None
UL250 - UL256	Sahara	Yes	No	27"	13.09"	54"	144"
UL260 - UL264	Brookside	Yes	No	27"	36"	27"	36"
UL280	Montego Slate	Yes	No	9"	36"	54"	144"
UL300 - UL304	SoHo Slate	Yes	No	27"	72"	54"	72"
UL320 - UL322	Patagonia	Yes	No	18"	28.75"	54"	144"
UL330 - UL332	Nobility	Yes	No	18"	72"	54"	72"
UL342	Sorrento	Yes	No	54"	36"	54"	108"
UL350 - UL353	Mesa Slate	Yes	No	27"	39.5"	54"	144"
UL360 - UL364	Mesa	Yes	No	13.5"	13.09"	54"	144"
UL370 - UL373	Sandstone	Yes	No	27"	36"	54"	144"

<b>FLOR-EVER</b> <b>Adhesive:</b> 3044 <b>Seam Sealer:</b> SU80 or SU92							
51011 - 51013	Select Oak	Yes*	No	27"	18"	54"	72"
51015 - 51016	Timber Trail	Yes*	No	Random	72"	54"	72"
51025 - 51027	Progression	Yes*	No	Random	72"	54"	72"
51031 - 51032	Building Blocks	Yes*	No	18"	18"	18"	18"
51040 - 51043	Metropolis	Yes*	No	27"	72"	54"	72"
51050 - 51052	Slate Walk	Yes*	No	9"	18"	27"	36"
51061 - 51067	Uptown	Yes*	No	None	None	54"	72"

\* For residential installation only.

<b>PACESETTER</b> <b>Adhesive:</b> 3044 <b>Seam Sealer:</b> SU80 or SU92							
60007	Barcelona	Yes	Yes	13.5"	13.09"	13.5"	13.09"
60010 - 60012	Symphony	Yes	No	18"	18"	18"	18"
60016 - 60019	Indiana Maple	Yes	No	None	36"	54"	36"
60023 - 60024	Celebration	Yes	No	27"	24"	27"	24"
60052 - 60055	Vintage Slate	Yes	No	9"	18"	27"	36"
60091 - 60095	Mirage	Yes	No	13.5"	13.09"	13.5"	13.09"
60121	Bombay Slate	Yes	No	9"	9"	27"	36"
60131	Cascade	Yes	No	27"	24"	27"	24"
60140 - 60142	Canyon Ridge	Yes	No	7.71"	8"	54"	144"
60175 - 60178	Promenade	Yes	No	18"	36"	54"	108"

<b>FAST TRACK</b> <b>Adhesive:</b> 3044 <b>Seam Sealer:</b> SU106							
04500 - 04501	Rustic Plank	Yes	No	None	36"	54"	72"
04505 - 04506	Veranda	Yes	No	27"	26.18"	54"	26.18"
04510	Terrace Slate	Yes	No	13.5"	13.09"	54"	144"
04517 - 04518	Timber Oak	Yes	No	9"	9"	54"	72"
04525 - 04527	Wind Stone	Yes	No	27"	18"	54"	144"
04530 - 04534	Bedford Slate	Yes	No	27"	36"	54"	72"
04535 - 04536	Forest Grove	Yes	No	Random	48"	54"	48"
04540 - 04542	Rocklin	Yes	No	6"	6"	54"	108"

PATTERN NUMBER	PATTERN NAME	YOUR CHOICE INSTALL.	REVERSE SHEETS	ECONOMY MATCH FOR SEAMING		TRUE DESIGN REPEAT	
				LENGTH	WIDTH	LENGTH	WIDTH
PRELUDE	Adhesive: 3044			Seam Sealer: SU80 or SU92			
02040 - 02045	Seasons	Yes	No	6"	6"	54"	36"
02055 - 02056	Natural Oak	Yes	No	13.5"	13.09"	13.5"	13.09"
02058 - 02062	Escape	Yes	No	27"	26.18"	54"	52.36"
02070 - 02073	Surroundings	Yes	No	18"	18"	18"	18"
02080 - 02084	Chateau	Yes	No	9"	9"	54"	36"
02105 - 02108	Quarry Ridge	Yes	No	18"	12"	54"	144"
02111 - 02112	Monaco	Yes	No	9"	36"	27"	36"
02116 - 02117	Naples	Yes	No	13.5"	13.09"	54"	144"
02120 - 02122	Mohave Stone	Yes	No	27"	18"	54"	144"
02130 - 02131	Bavarian Wood	Yes	No	9"	9"	54"	72"
02133 - 02135	Parlor	Yes	No	27"	36"	27"	36"
02140 - 02143	Plaza Court	Yes	No	9"	9"	54"	72"
FORECAST	Adhesive: 3044			Seam Sealer: SU80 or SU92			
01000	Overall	Yes	No	Random	Random	54"	72"
01010	Plank	Yes	No	Random	72"	54"	72"
01020-01021	9" Block	Yes	No	9"	9"	27"	36"
01030-01031	6" Block	Yes	No	18"	18"	18"	18"

<b>AIRSTEP</b> <b>Adhesive:</b> AS-01 <b>Seam Sealer:</b> SU106							
72000 - 72004	Terrace	Yes*	No	18"	36"	54"	108"
72010 - 72012	Colonial Plank	Yes*	No	Random	36"	54"	72"
72015 - 72018	Tuscan Paver	Yes*	No	6"	6"	54"	108"
72020 - 72025	Rapolano Tile	Yes*	No	13.5"	13.09"	54"	144"
72030 - 72032	Pacific Maple	Yes*	No	Random	72"	54"	72"
72040 - 72044	Cozumel	Yes*	No	18"	27"	54"	72"
72050 - 72054	Grand Canyon	Yes*	No	13.5"	13.09"	54"	78.54"
72060 - 72062	Fair Wind	Yes*	No	27"	72"	54"	72"
72065 - 72069	Rendezvous	Yes*	No	27"	9"	54"	72"

<b>AIRSTEP PLUS</b> <b>Adhesive:</b> AS-01 <b>Seam Sealer:</b> SU106							
58000 - 58002	North Star	Yes*	No	18"	36"	18"	36"
58005 - 58006	Woodland	Yes*	No	9"	9"	54"	72"
58010 - 58011	Satin Cloud	Yes*	No	27"	72"	54"	72"
58020 - 58025	Starlight	Yes*	No	27"	26.18"	54"	26.18"
58040 - 58041	Western Slate	Yes*	No	27"	36"	54"	72"
58050 - 58051	Unity	Yes*	No	27"	36"	27"	36"
58065 - 58066	Harmony	Yes*	No	Random	36"	27"	36"

<b>AIRSTEP BASIX</b> <b>Adhesive:</b> AS-01 <b>Seam Sealer:</b> SU106							
41010 - 41011	Acadia	Yes*	No	18"	18"	18"	18"
41020 - 41022	Sedona	Yes*	No	9"	9"	54"	72"
41030 - 41033	Panorama	Yes*	No	27"	39.5"	54"	144"
41040 - 41042	Random Plank	Yes*	No	Random	48"	54"	48"
41050 - 41053	Flagstone	Yes*	No	27"	24"	27"	24"

\* Your Choice Plus - Fully adhere; perimeter fasten; loose lay.

# Technical Data

## Residential Resilient Sheet Flooring

Product	Construction	Packaging		Ship. Weight		Applicable Federal Specifications *	Warranty
		Width	S/Y	Per Unit	Per Pkg.		
<b>ULTIMA</b> featuring Scotchgard™ Protector and Silver Antibacterial Product Protection	Wearlayer: Vinyl Resin and Urethane Reinforced with Nylon and Aluminum Oxide Cushion: High Density Vinyl Foam Backing: White Shield Filled Fibrous Comp. BAC STOP Protection	12'	80-160	3.5 lbs. Per S/Y	466 lbs. Avg.	ASTM F1303, Type I, Grade 2	Five-Star
<b>PACESETTER</b> AlumaTEC Wearlayer	ArmorGuard Construction Wearlayer: Vinyl Resin and Aluminum Oxide Cushion: High Density Vinyl Foam Backing: White Shield Filled Fibrous Comp. BAC STOP Protection	6'	40-80	2.9 lbs. Per S/Y	230 lbs. Avg.	ASTM F1303, Type I, Grade 2	Three-Star
		12'	80-190	2.9 lbs. Per S/Y	526 lbs. Avg.		
<b>FAST TRACK</b> Scuff-Tuff Matte Finish Wearlayer	Wearlayer: Vinyl Resin and Urethane Cushion: High Density Vinyl Foam Backing: White Shield Filled Fibrous Comp. BAC STOP Protection	12'	80-190	2.9 lbs. Per S/Y	490 lbs. Avg.	ASTM F1303, Type I, Grade 3	Three-Star
<b>PRELUDE</b> Standard ArmorGuard Wearlayer	ArmorGuard Construction Wearlayer: Vinyl Resin Composition Cushion: High Density Vinyl Foam Backing: White Shield Filled Fibrous Comp. BAC STOP Protection	6'	40-130	2.5 lbs. Per S/Y	252 lbs. Avg.	ASTM F1303, Type I, Grade 3	One-Star
		12'	80-190	2.5 lbs. Per S/Y	483 lbs. Avg.		
<b>FORECAST</b> Standard Wearlayer	Wearlayer: Vinyl Resin Composition Cushion: High Density Vinyl Foam Backing: White Shield Filled Fibrous Comp. BAC STOP Protection	12'	80-210	2.0 lbs. Per S/Y	380 lbs. Avg.	ASTM F1303, Type I, Grade 3	1-Year
<b>AIRSTEP EVOLUTION</b> featuring Scotchgard Protector and Silver Antibacterial Product Protection	UltraTec Construction Wearlayer: Vinyl Resin and Urethane with Aluminum Oxide Cushion: High Density Vinyl Foam Inner Liner: White Shield Filled Fibrous Comp. Backing: Dense Vinyl Composition	12'	80-160	4.00 lbs. Per S/Y	596 lbs. Avg.	ASTM F1303, Type I, Grade 3	AirStep Lifelong
<b>AIRSTEP PLUS</b> featuring Scotchgard™ Protector and Silver Antibacterial Product Protection	UltraTec Construction Wearlayer: Vinyl Resin and Urethane Cushion: High Density Vinyl Foam Inner Liner: White Shield Filled Fibrous Comp. Backing: Dense Vinyl Composition	12'	80-160	3.36 lbs. Per S/Y	500 lbs. Avg.	ASTM F1303, Type I, Grade 3	AirStep 20-Year
<b>AIRSTEP BASIX</b> Matte Finish Wearlayer	UltraTec Construction Wearlayer: Vinyl Resin and Urethane Cushion: High Density Vinyl Foam Inner Liner: White Shield Filled Fibrous Comp. Backing: Dense Vinyl Composition	12'	80-160	3.06 lbs. Per S/Y	452 lbs. Avg.	ASTM F1303, Type I, Grade 3	AirStep 10-Year

## Commercial Resilient Sheet Flooring

Product	Construction	Overall Gauge (Nominal)	Packaging		Ship. Wt.		Static Load Limit ASTM F970 ***	Applicable Federal Specifications *	Warranty
			Width	S/Y	Per Unit	Per Pkg.			
<b>FLOR-EVER PLUS</b> Silver Antibacterial Product Protection	Wearlayer: Vinyl Resin Composition Fortified with Aluminum Oxide Cushion: High Density Vinyl Foam Backing: White Shield Filled Fibrous Comp. BAC STOP Protection	.080"	12'	80-160	3.85 lbs. Per S/Y	580 lbs Avg.	175 lbs. per sq. inch	ASTM F1303, Type I, Grade 1, Class A backing	Four-Star**

NOTE: F.H.A. Materials Release required only when product falls outside of ASTM F1303 specifications.



All products are FloorScore Certified for indoor air quality performance. FloorScore certified hard surface flooring products are an alternative compliance to LEED credit EQ4.3 Low-Emitting Materials: Flooring Systems. For questions regarding any Congoleum flooring product consult the Congoleum website: [www.congoleum.com](http://www.congoleum.com).



# Technical Data

## DuraCeramic and DuraPlank II

Product	Construction	Gauge (Nominal)	Size (Nominal)	Packaging			Carton Weight	DS100 Adhesive	DS200 Joint Sealer	DuraCeramic Premixed Grout	Warranty
				Sq. Ft. per Carton	Pieces per Carton	Cartons per Pallet					
<b>DURACERAMIC</b> featuring Scotchgard™ Protector	Nano-composite surface glaze Limestone composite base Silver Antibacterial Product Protection	.160"	15 <sup>5</sup> / <sub>8</sub> " x 15 <sup>5</sup> / <sub>8</sub> "	17	10	48	30.5 lbs.	Yes	Yes	Yes	Lifelong <sup>††</sup>
<b>DURAPLANK II</b> featuring Scotchgard™ Protector	Nano-composite surface glaze Limestone composite base Silver Antibacterial Product Protection	.160"	4 <sup>1</sup> / <sub>2</sub> " x 36"	18	16	42	34.5 lbs.	Yes	N/A	N/A	Lifelong <sup>††</sup>

## High Performance Flooring

Product	Construction	Gauge (Nominal)	Size (Nominal)	Packaging			Carton Weight	DS100 Adhesive	Warranty
				Sq. Ft. per Carton	Pieces per Carton	Cartons per Pallet			
<b>DURASTONE</b>	Nano-composite surface glaze Limestone composite base	.160"	16" x 16"	17.77	10	40	34 lbs.	Yes	Lifelong <sup>††</sup>

## Residential Tile and Plank

Product	Wearlayer	Gauge (Nominal)	Size (Nominal)	Packaging			Carton Weight	DS100 Adhesive	DuraCeramic Premixed Grout	Warranty
				Sq. Ft. per Carton	Pieces per Carton	Cartons per Pallet				
<b>OVATIONS</b>	Nano-composite surface glaze Limestone composite base	.140"	14" x 14"	20.4	15	45	32.7 lbs.	Yes	Yes	20-Year
<b>ENDURANCE PLANK</b>	Natural Low-Gloss Urethane	.080"	4" x 36"	36	36	72	27 lbs.	Yes	N/A	Three-Star
			6" x 36"	36	24	72				
<b>CONNECTIONS</b> Glueless Flooring	Natural Low-Gloss Urethane Aluminum Oxide	.160"	6" x 48"	22	11	44	38 lbs.	N/A	N/A	25-Year <sup>††</sup>
<b>CAREFREE PLANK</b> Glueless Flooring	Natural Low-Gloss Urethane	.140"	6" x 36"	24	16	56	36 lbs.	N/A	N/A	10-Year <sup>††</sup>

## Commercial Composition Tile

Product	Wearlayer	Gauge	Packaging			Carton Weight	Static Load Limit ***	Federal Specifications *	AD-42 Adhesive	Warranty
			Sq. Ft. per Carton	Pieces per Carton	Cartons per Pallet					
<b>ALTERNATIVES</b>	Vinyl Composition	1/8"	45	45	45	64 lbs.	250 lbs. per sq. inch	ASTM F1066, Class 2	Yes	Two-Star**
<b>CHOICES</b>	Vinyl Composition	1/8"	45	45	45	64 lbs.	250 lbs. per sq. inch	ASTM F1066, Class 2	Yes	Two-Star**
<b>CX SERIES</b>	Vinyl Composition	.100"	45	45	54	54 lbs.	250 lbs. per sq. inch	ASTM F1066, Class 2 <sup>△</sup>	Yes	Two-Star**
<b>TT SERIES</b>	Vinyl Composition	3/32"	45	45	63	50 lbs.	250 lbs. per sq. inch	ASTM F1066, Class 2 <sup>○</sup>	Yes	Two-Star**

### NOTES:

\* All products listed **pass** N.B.S. Smoke Density testing (ASTM E662-450 or less) required in hospitals and nursing homes. All products listed **pass** Critical Radiant Flux (ASTM E648-0.45 w/cm<sup>2</sup> or greater).

†† DuraCeramic, DuraPlank II, DuraStone, Connections, and Carefree Plank when installed in a light commercial application, carry a Five-Year Commercial Limited Warranty.

\*\* Alternatives, Choices, CX Series, Flor-Ever Plus and TT Series, when installed in a commercial application, carry a Five-Year Commercial Limited Warranty.

\*\*\* Static Load Limit: Laboratory test to determine 24 hr. residual indentation, not exceeding .005", after application of specific weight for 24 hrs.

△ When .100" gauge is specified.

○ When 3/32" gauge is specified.

# Grout Recommendations

## DuraCeramic

Design	SKU	1st Choice Grout	Color	2nd Choice Grout	Color
<b>CAMBRIDGE TILE</b>	CG-41 CG-74	DG-05 DG-42	Chamois Mocha	DG-06 DG-06	Harvest Harvest
<b>DREAMSCAPE</b>	DS-14 DS-23 DS-34 DS-48	DG-93 DG-47 DG-02 DG-02	Warm Gray Charcoal Pewter Pewter	DG-27 DG-19 DG-11 DG-07	Silver Pearl Gray Sahara Beige Chocolate
<b>EARTHPATH</b>	EP-14 EP-34 EP-41 EP-47 EP-64	DG-48 DG-39 DG-02 DG-48 DG-42	Almond Ivory Pewter Almond Mocha	DG-39 DG-11 DG-05 DG-42 DG-06	Ivory Sahara Beige Chamois Mocha Harvest
<b>HEIRLOOM</b>	HE-11 HE-14 HE-22	DG-27 DG-39 DG-19	Silver Ivory Pearl Gray	DG-19 DG-13 DG-27	Pearl Gray French Vanilla Silver
<b>MERCER TILE</b>	ME-13 ME-34 ME-41 ME-47 ME-48	DG-02 DG-11 DG-39 DG-11 DG-39	Pewter Sahara Beige Ivory Sahara Beige Ivory	DG-00 DG-02 DG-48 DG-05 DG-11	White Pewter Almond Chamois Sahara Beige
<b>PACIFIC MARBLE</b>	PC-11 PC-14 PC-34 PC-41	DG-00 DG-02 DG-02 DG-14	White Pewter Pewter Biscuit	DG-02 DG-00 DG-11 DG-39	Pewter White Sahara Beige Ivory
<b>RAPOLANO</b>	RA-11 RA-41 RA-47 RA-54 RA-64 RA-74	DG-14 DG-39 DG-48 DG-07 DG-42 DG-39	Biscuit Ivory Almond Chocolate Mocha Ivory	DG-00 DG-12 DG-11 DG-09 DG-06 DG-11	White Mist Sahara Beige Gray Harvest Sahara Beige
<b>RENAISSANCE</b>	RN-34 RN-42 RN-46 RN-47 RN-56	DG-11 DG-39 DG-42 DG-06 DG-07	Sahara Beige Ivory Mocha Harvest Chocolate	DG-16 DG-42 DG-39 DG-16 DG-42	Malt Mocha Ivory Malt Mocha
<b>ROMAN ELEGANCE</b>	RE-31 RE-43	DG-39 DG-02	Ivory Pewter	DG-14 DG-93	Biscuit Warm Gray
<b>RUSTIC STONE</b>	RU-24 RU-46 RU-47	DG-07 DG-11 DG-39	Chocolate Sahara Beige Ivory	DG-47 DG-07 DG-07	Charcoal Chocolate Chocolate
<b>SANDALSTONE</b>	SA-11 SA-41 SA-47 SA-64	DG-00 DG-39 DG-39 DG-07	White Ivory Ivory Chocolate	DG-02 DG-00 DG-48 DG-05	Pewter White Almond Chamois
<b>SIERRA SLATE</b>	SI-14 SI-34 SI-39 SI-43 SI-47 SI-54 SI-64 SI-74 SI-84	DG-02 DG-02 DG-47 DG-11 DG-06 DG-07 DG-06 DG-11 DG-47	Pewter Pewter Charcoal Sahara Beige Harvest Chocolate Harvest Sahara Beige Charcoal	DG-14 DG-47 DG-27 DG-07 DG-09 DG-42 DG-48 DG-48 DG-42	Biscuit Charcoal Silver Chocolate Gray Mocha Almond Almond Mocha
<b>TERANO</b>	TR-14 TR-34 TR-54 TR-74	DG-14 DG-16 DG-42 DG-39	Biscuit Malt Mocha Ivory	DG-05 DG-05 DG-05 DG-00	Chamois Chamois Chamois White
<b>VILLAGE SLATE</b>	VS-36 VS-46 VS-74	DG-11 DG-42 DG-39	Sahara Beige Mocha Ivory	DG-47 DG-05 DG-05	Charcoal Chamois Chamois

## Ovations

Design	SKU	1st Choice Grout	Color	2nd Choice Grout	Color
<b>ALABASTER</b>	AB-14 AB-41	DG-16 DG-15	Malt Bone	DG-00 DG-16	White Malt
<b>STONE FORD</b>	SF-14 SF-34 SF-41 SF-47	DG-39 DG-02 DG-39 DG-07	Ivory Pewter Ivory Chocolate	DG-00 DG-39 DG-15 DG-05	White Ivory Bone Chamois
<b>SUNSTONE</b>	SS-11 SS-47 SS-48 SS-74	DG-93 DG-11 DG-11 DG-39	Warm Gray Sahara Beige Sahara Beige Ivory	DG-16 DG-48 DG-05 DG-05	Malt Almond Chamois Chamois
<b>TEXTURED SLATE</b>	TE-34 TE-39 TE-49 TE-54 TE-87	DG-05 DG-09 DG-11 DG-05 DG-11	Chamois Gray Sahara Beige Chamois Sahara Beige	DG-39 DG-07 DG-42 DG-42 DG-14	Ivory Chocolate Mocha Mocha Biscuit



## DuraCeramic Installation Materials

	DS200 DuraCeramic Joint Sealer	DuraCeramic Premixed Grout
<b>Order Code</b>	DS200	Use specific color code (DG-xx)
<b>Description</b>	Water-based, flexible acrylic sealer	Premixed sanded, acrylic grout
<b>Use</b>	For sealing joints in ungrouted DuraCeramic floors only. Not recommended for DuraPlank II or Ovations.	For use with DuraCeramic and Ovations in grouting joints 1/16" to 1/4" wide. Can also be used for grouting most ceramic, quarry and porcelain floor tile.
<b>Limitations</b>	Not recommended for ceramic, porcelain, or natural stone.	Not recommended for nonvitreous tiles or natural stone, exterior use, shower floors or underwater use.
<b>Coverage</b>	320 sq. ft. per 8 oz. bottle	<b>Joint Width</b>
		<b>Approximate Coverage</b> 14" x 14" and 16" x 16" Tile
		Sq. Ft./Qt.      Sq. Ft./Gal.
		1/16" (1.6mm)      110 (10m <sup>2</sup> )      450 (42m <sup>2</sup> )
		1/8" (3.2mm)      80 (7.4m <sup>2</sup> )      325 (31m <sup>2</sup> )
		3/16" (4.8mm)      70 (6.5m <sup>2</sup> )      275 (26m <sup>2</sup> )
		1/4" (6.4mm)      55 (5m <sup>2</sup> )      225 (21m <sup>2</sup> )
<b>Applicator</b>	Applicator nozzle included	Hard rubber float or green epoxy float. Cleanup with firm sponge and 3M white pad.
<b>Working Time</b>	N/A	10 minutes - for best results apply grout in a 20 sq. ft. area and clean up immediately.
<b>Set Up Time</b>	Tack free: 1 hour Set up: 8 hours	16 to 24 hours
<b>Clean Up</b>	Wet: Water Dry: Mineral spirits <b>Caution: Mineral spirits is flammable.</b>	Wet: Water Dry: Household ammonia cleaner. Do not use grout haze removers.
<b>Color</b>	White, turns clear when dry	Popular versatile colors available
<b>Tracers</b>	N/A	N/A
<b>Unit Size</b>	8 oz. bottle	1 qt. (6/ctn.); 1 gal. (4/ctn.)
<b>Shelf Life</b>	1 year if unopened	2 years if unopened
<b>Freeze/Thaw Stability</b>	Yes	Yes
<b>Flammable</b>	No	No
<b>Warnings</b>	Potential skin and eye irritant	Potential skin, eye and respiratory irritant

# Congoleum Adhesives

	3044 Premium Flooring Adhesive	AD-42 Clear Thin-Spread Adhesive	AD-32 Adhesive	AS-01 AirStep Adhesive	DS100 DuraSet Adhesive
<b>Order Code:</b>	03044	AD42	AD32	AS01	DS100
<b>Use</b>	Fast Track Flor-Ever Plus Pacesetter Prelude Ultima Forecast	Composition Commercial Tile	Endurance Plank	AirStep Evolution AirStep Plus AirStep Basix	DuraCeramic DuraPlank II DuraStone HPF Endurance Plank Ovations
<b>“Your Choice” Residential Installation</b>	Fast Track Flor-Ever Plus Pacesetter Prelude Ultima Forecast	N/A	N/A	AirStep Evolution, AirStep Plus, AirStep Basix – “Your Choice Plus”	N/A
<b>Tracers</b>	Green/Ultramarine	Red/Green	Green	Navy Blue	Dark Red
<b>Advantages</b>	Moisture and alkali resistant, hard setting, resists indentations, nonstaining.	Moisture and alkali resistant, develops high initial tack. Solvent free, low odor.	Moisture and alkali resistant, develops high initial tack. Solvent free, low odor.	Moisture and alkali resistant, good initial tack. Solvent free, low odor.	Moisture and alkali resistant, high initial tack. Solvent free, low odor.
<b>Type</b>	Water based/Latex	Pressure sensitive/ Water based/Latex	Pressure sensitive/ Water based/Acrylic	Transitional Water based/Acrylic	Pressure sensitive/Water based/Acrylic
<b>Subfloors</b>	Dry concrete on all grade levels, suspended wood floors, metal, terrazzo, ceramic, marble, approved resilient floor covering and suitable portland cement-based embossing leveler.	Dry concrete on all grade levels, suspended wood floors, and approved resilient floor covering.	Dry concrete on all grade levels, suspended wood floors, approved resilient floor covering, and Congoleum UnderFlor.	Dry concrete on all grade levels, suspended wood floors, metal, terrazzo, ceramic, marble, approved resilient floor covering and suitable portland cement-based embossing leveler.	Dry concrete on all grade levels, suspended wood floors, approved resilient floor covering, and Congoleum UnderFlor.
<b>Trowel</b>	1/16” wide x 1/32” deep x 1/32” apart, all substrates.	1/16” wide x 1/32” deep x 1/32” apart	1/16” wide x 1/32” deep x 1/32” apart, trowel blade adaptor included.	1/16” wide x 1/32” deep x 1/32” apart (For all AirStep products on nonporous subfloors, apply with 1/4” nap paint roller).	1/16” wide x 1/32” deep x 1/32” apart, trowel blade adaptor included.
<b>Working Time</b>	15 - 20 minutes	6 hours Dry to tack - 1 hour	12 hours Dry to tack - 30-60 min. under normal conditions	Wet: 15 - 20 minutes Dry to tack - 15-30 min. under normal conditions.	12 hours Dry to tack - 45-60 min. normal conditions.
<b>Spread Rate</b>	Fully Adhered: 150 - 270 sq. ft./gallon Perimeter: 4 in. band - 750 lin. ft./gallon Perimeter: 6 in. band - 500 lin. ft./gallon Seams: 8 in. band - 375 lin. ft./gallon	250 - 300 sq. ft./gallon	200 - 250 sq. ft./gallon	Fully Adhered: Trowel: 200 - 250 sq. ft./gallon Paint Roller: 600 sq. ft./gallon Loose Lay Seams: 4 in. band - 750 lin. ft./gallon Loose Lay and Perimeter Fasten Seams: 6” band - 500 lin. ft./gallon	200 - 250 sq. ft./gallon
<b>Freeze/Thaw Stable</b>	Yes	Yes	Yes	Yes	Yes
<b>Flammability</b>	Nonflammable	Nonflammable	Nonflammable	Nonflammable	Nonflammable
<b>Cleanup</b>	Wet: Soap and Water Dry: Clean cloth dampened with mineral spirits.*	Wet: Soap and Water Dry: Clean cloth dampened with mineral spirits.*	Wet: Soap and Water Dry: Clean cloth dampened with mineral spirits.*	Wet: Soap and Water Dry: Clean cloth dampened with mineral spirits.*	Wet: Soap and Water Dry: Clean cloth dampened with mineral spirits.*
<b>Shelf Life</b>	One year if unopened	One year if unopened	One year if unopened	One year if unopened	One year if unopened
<b>Sizes</b>	Qt. (12/ctn.) 1 gal. (4/ctn.), 4 gal.	1 gal. (4/ctn.), 4 gal.	1 gal. (4/ctn.), 4 gal.	Qt. (12/ctn.) 1 gal. (4/ctn.), 4 gal.	Qt. (12/ctn.) 1 gal. (4/ctn.), 4 gal.
<b>3044, AD42, AS01, DS100 and AD32 Adhesives - Warning: Eye and skin irritant. Caution: Mineral Spirits is flammable.</b>					

## TRADEMARKS

Registered trademarks of Congoleum Corporation: AirStep Basix, AirStep Evolution, AirStep Plus, Alternatives, AlumaTEC, ArmorGuard, Bac Stop, Bright 'N Easy, Carefree Plank, Choices, Chromabond, Congoleum, Connections, CX Series, DuraCeramic, DuraPlank II, DuraSet, DuraStone, Endurance Plank, Five-Star, Fast Track, Flor-Ever Plus, Forecast, HPF, High Performance Flooring, Monaco, Ovations, Prelude, Scuff-Tuff, Ultima, UnderFlor, UltraShield, and White Shield.

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3M, Scotchgard and the plaid design are trademarks of 3M.



# Congoleum Seam Sealers

## SU92 Seam Sealer

## SU80 Seam Sealer Kit

## SU106 Seam Sealer Kit

Order Code	SU092	SU080	SU106
<b>Use</b>	Used to seal seams on <ul style="list-style-type: none"> <li>• Flor-Ever Plus</li> <li>• Pacesetter</li> <li>• Prelude</li> <li>• Forecast</li> </ul> T070 Applicator Kit is required.	Used to seal seams on <ul style="list-style-type: none"> <li>• Flor-Ever Plus</li> <li>• Pacesetter</li> <li>• Prelude</li> <li>• Forecast</li> </ul> Applicator Included	Used to seal seams on <ul style="list-style-type: none"> <li>• AirStep Evolution • AirStep Plus • AirStep Basix</li> <li>• Fast Track</li> <li>• Ultima</li> </ul> Applicator Included
<b>Tack Free</b>	20 minutes	20 minutes	2 hours
<b>Set-Up Time</b>	2 hours	2 hours	16 hours
<b>Coverage</b>	200 lin. ft.	50 lin. ft./kit	70 lin. ft./kit
<b>Freeze/Thaw Stable</b>	Not affected by freezing	Not affected by freezing	Not affected by freezing
<b>Cleanup</b>	Wet: Blot with cloth dampened with spirits. Dry: Not removable.	Wet: Blot with cloth dampened with spirits. Dry: Not removable.	Wet: Blot with cloth dampened with spirits. Dry: Not removable.
<b>Shelf Life</b>	One year if unopened	One year if unopened	One year if unopened
<b>Sizes</b>	8 fl. oz. can (12 cans/carton)	2 fl. oz. per kit (12 kits/carton)	2 fl. oz. per kit (6 kits/carton)
<b>SU92, SU80 and SU106 - WARNING: Flammable liquids; vapor harmful; eye and skin irritant.</b>			

## YOUR CHOICE Installation

All Congoleum residential floors with White Shield Felt Backing can be installed by the Your Choice Installation System. This system provides you with options for installing the flooring either fully adhered or perimeter fastened over approved wood subfloors, concrete and properly prepared existing resilient flooring products. The products covered under Your Choice are:

Ultima	Fast Track
Flor-Ever Plus*	Prelude
Pacesetter	Forecast

The Your Choice Installation System is not recommended for commercial applications. Flor-Ever Plus, when used in commercial installations should be installed by the Fully Adhered System. \*For residential installation only.

## YOUR CHOICE PLUS Installation

AirStep Evolution, AirStep Plus and AirStep Basix can be installed by the Your Choice Plus Installation System. This system allows you to install AirStep Evolution, AirStep Plus and AirStep Basix fully adhered, perimeter fastened or loose laid over approved wood subfloors, concrete and properly prepared existing resilient flooring products.

## Congoleum Installation Materials

### QuikStik Tape

**Order Code:** QS120

A double-sided tape for use with AirStep products for seams in loose lay and perimeter fastened installations and for securing the perimeter on perimeter fastened jobs. Available in 2 1/2" x 120' rolls. Coverage: For Seams - 120 lineal ft.; for perimeter installations - 2 - 12' x 18' rooms or 1 - 50 sq. yd. room.

### Connections Adhesive Film

**Order Code:** CF910

For use with Connections and Carefree Plank to reverse the direction in which the planks are being fastened or for repairs. Available in 3" x 9' rolls.

### UnderFlor Underlayment

**Order Code:** UF120 or UFB07 for smaller rolls

The all-in-one underlayment system for floating installations of Congoleum DuraCeramic, DuraPlank II, Endurance Plank

and Ovations products. Available in 6' x 180' rolls (120 sq. yds. [1,080 sq.ft.]), or 6' x 16' 7" rolls (11.11 sq.yds. [100 sq. ft.]).

### T070 Seam Sealer Applicator Kit

**Order Code:** T0070

Required when sealing seams with SU92 Seam Sealer. Kit contains two 6 oz. plastic squeeze bottles, two T070 applicator nozzles, two cleaning wires, and instructions. Packed 24 kits per carton. Available in single kits from distributors.

### DuraCeramic Installation Accessory Kit

**Order Code:** DD01

For easy grout clean up kit contains two white 3M pads and sponge.

### Installation Instructions

For complete installation information and installation videos, visit us online at [www.congoleum.com](http://www.congoleum.com).

## Congoleum Floor Care Products

### Bright 'N Easy No-Rinse Cleaner

**Order Code:** 03001 Sizes: 32 oz., 12 bottles/ctn.

**Order Code:** 3001G Sizes: 128 oz., 4 bottles/ctn.

### Bright 'N Easy Floor Polish

**Order Code:** 03002 Sizes: 32 oz., 12 bottles/ctn.

**Order Code:** 3002G Sizes: 128 oz., 4 bottles/ctn.

### Bright 'N Easy Satin-Gloss Floor Polish

**Order Code:** 03007 Sizes: 32 oz., 12 bottles/ctn.

**Order Code:** 3007G Sizes: 128 oz., 4 bottles/ctn.

### Bright 'N Easy Floor Polish Remover

**Order Code:** 03003 Sizes: 32 oz., 12 bottles/ctn.

**Order Code:** 3003G Sizes: 128 oz., 4 bottles/ctn.

### Bright 'N Easy Spray Cleaner

**Order Code:** 03008 Sizes: 32 oz., 12 bottles/ctn.



K•TECH *for kitchens*

INSTALLATION AND TECHNICAL REFERENCE GUIDE

Congoleum®  
2012

## Technical Data

PATTERN NUMBER	PATTERN NAME	REVERSE SHEETS	RECOMMENDED*		ACTUAL	
			DESIGN MATCH	CROSS DIR. MATCH	DESIGN MATCH	CROSS DIR. MATCH
KT001 – KT003	Transition	No	18"	18"	18"	18"
KT010 – KT012	Beginnings	No	27"	72"	54"	72"
KT030 – KT035	Indulgence	No	27"	36"	27"	36"
KT040 – KT042	Retreat	No	27"	18"	54"	72"
KT050	Gatherings	No	18"	12"	54"	144"
KT060 – KT063	Connections	No	18"	36"	54"	36"
KT070 – KT074	Expectations	No	27"	26.18"	54"	144"
KT082	Sanctuary	No	18"	18"	54"	72"
KT101 – KT104	Fascination	No	18"	36"	54"	108"

\* K-Tech for Kitchens' recommended design matches offer a more random appearance of natural patterns for an improved installed visual and eliminates waste.

## Product Characteristics

PRODUCT	CONSTRUCTION	PACKAGING		SHIPPING WEIGHT		APPLICABLE FEDERAL SPECIFICATIONS	WARRANTY
		WIDTH	S/Y	PER UNIT	PER PACKAGE		
<b>K-Tech for Kitchens™</b>	Wearlayer: Vinyl Resin and Urethane containing Aluminum Oxide, Fluorinated Polymer and Glass Encapsulated Silver Particles for Antimicrobial Product Protection Cushion: High Density Vinyl Foam Backing: White Shield Filled Fibrous Comp. BAC STOP Protection	12'	80-190	2.8 lbs. Per S/Y	431.5 lbs. Avg.	ASTM F1303 Type I, Grade 2, Class A backing	15 Years

## Fully Adhere or Perimeter Fasten

**K-Tech for Kitchens** provides options for installing the flooring either fully adhered or perimeter fastened over approved wood subfloors, concrete, and properly prepared existing resilient flooring products. The fully adhered method is recommended in complicated room layouts and where the subfloor is in sound condition. Perimeter fastening offers quick and easier installations while cutting down costs, and masking subfloor irregularities.

## K-Tech for Kitchens Adhesive and Seam Sealer

	3044 PREMIUM FLOORING ADHESIVE	SU106 SEAM SEALER KIT
<b>Acceptable Subfloors</b>	Dry concrete on all grade levels, suspended wood floors, terrazzo, ceramic, marble, approved resilient floor covering and suitable and suitable portland-cement based embossing leveler.	N/A
<b>Proper Trowel Size</b>	1/16" wide x 1/32" deep x 1/32" apart, all substrates	N/A
<b>Working Time</b>	15 – 20 minutes	—
<b>Set Up Time</b>	—	16 hours
<b>Coverage</b>	Fully Adhered: 150 – 270 sq.ft./gallon Perimeter: 4 in. band- 750 lin. ft./gallon Perimeter: 6 in. band- 500 lin. ft./gallon Seams: 8 in. band- 375 lin. ft./gallon	70 lin. ft./kit
<b>Freeze/Thaw Stable</b>	Yes	Not affected by freezing
<b>Flammability</b>	Nonflammable	Flammable liquids
<b>Cleanup</b>	Wet: Soap and water Dry: Clean cloth dampened with mineral spirits.	Wet: Blot with cloth dampened with mineral spirits. Dry: Not removable
<b>Shelf Life</b>	One year if unopened	One year if unopened
<b>Sizes</b>	Qt. (12/carton); 1 gallon (4/carton); 4 gallon	2 fl. oz. per kit (6 kits per carton)

3044 Adhesive – Warning: Eye and skin irritant. SU106 – Warning: Vapor harmful; eye and skin irritant.

## Installation Materials

**K-Tech for Kitchens Installation and Seaming Video**  
5-Pack - English/French/Spanish Order Code: K10190206S

**K-Tech for Kitchens Installation Manual**  
Order Code: K10170808S (English/Spanish)

Order by phone toll free at 1-888-KTECHINFO.

For more information, visit our website at  
[www.ktechforkitchens.com](http://www.ktechforkitchens.com).





# AirStep®

## Installation Instructions

AirStep Evolution®  
AirStep Plus®  
AirStep Basix™

*Congoleum®*  
2012



# INSTALLATION INSTRUCTIONS for AIRSTEP EVOLUTION, AIRSTEP PLUS and AIRSTEP BASIX

*AirStep Evolution, AirStep Plus and AirStep Basix* are 12' (3.66m) wide flexible floors that feature UltraTec construction. This construction provides controlled stability and eliminates curl allowing the flooring to be installed by the *Your Choice Plus Installation System* which includes the fully adhered, perimeter fastened and loose lay installation methods. Depending on the method used, the floor can be installed with AS-01 Adhesive or QuikStik Tape.

AIRSTEP INSTALLATION CHOICES		
Your Choice Plus Installation System	AS-01 Adhesive	QuikStik Tape
Loose Laid (Seams)	✓	✓
Perimeter Fastened	✓	✓
Fully Adhered	✓	

The best method for a particular job depends on the subfloor conditions. For example, the fully adhered method is recommended where the subfloor is smooth, structurally sound and free of movement, in a variety of applications including complex room layouts or where net fitting or coving is required.

The perimeter fastening and loose lay methods provide subfloor masking benefits to allow installation over a greater variety of surfaces that might otherwise be unsatisfactory for a fully adhered application.

The loose lay method is recommended for room layouts where trim can be installed around the entire perimeter.

The perimeter fastening method can be used for most all applications and it provides not only subfloor masking benefits, but it

also provides the option to fit flooring net where it is not desirable to install trim. Plus AS-01 Adhesive provides a releasable bond, so in the event that it becomes necessary to get access to the subfloor, you can pull the sheet back without damaging it.

## General Information

### Recommended Installation Accessories

- AS-01 Adhesive (See Adhesive Coverage chart on page 3 for spread rate coverage.)
- QS120 QuikStik Tape (For QuikStik Installation System)
- SU106 Seam Sealer

### Recommended Use

- Residential applications on all grade levels
- Interior use in dry, heated areas
- Do not install over ramps, in showers or other wet areas

### Installation Temperature

Condition the room(s) and all flooring materials at a constant temperature between 65°F (18°C) and 85°F (29°C) for 48 hours before, during and 48 hours after installation. Thereafter maintain temperatures between 55°F (13°C) and 100°F (38°C).

### Handling and Storage

Always keep flooring rolled face out, wrapped tightly around a rigid core until ready for installation. Avoid distorting the flooring. Always store rolls on a continuous flat surface. Do not stack other rolls or heavy objects on flooring.

## Subfloor Recommendations

Subfloor Construction Materials	Comments	Fully Adhered	Perimeter Fastened	Loose Laid	Notes
Wood	• Double layer plywood construction over joist or trusses	Yes	Yes	Yes	Subfloor must be smooth, solid and free of movement set fasteners below the surface.
	• Single layer Sturd-I-Floor 23/32" (18 mm) or heavier installed over joists or trusses, 16"(41 cm) or 19.2" (49.2 cm) OC	Install wood underlayment	Yes	Yes	
	• Hardwood or strip wood installed over wood subfloors	Install wood underlayment	Yes	Yes	Double layer construction maximum 3" board width
	• Hardwood floors installed over concrete	No	No	No	Remove hardwood and prepare concrete
Underlayment	• APA underlayment grade plywood and other wood veneer underlayments that are recommended for resilient flooring	Yes	Yes	Yes	Weather damaged or rough surface materials must be sanded smooth or covered with a recommended underlayment. Fill gaps wider than 1/32" (.8 mm).
	• Oriented Strand Board (OSB)	Install wood underlayment	Yes	Yes	
	• NPA-rated Particleboard	Install wood underlayment	Yes	Yes	
Concrete	• On, above and below grade level	Yes	Yes	Yes	Moisture vapor emissions should not exceed 3 lbs. (1.4kg)
	• Radiant heat floors not to exceed 85°F (29.9°C)	Yes	Yes	Yes	
Gypsum Topping	• Minimum 2000 (907kg) PSI Compressive Strength	No	Yes	Yes	Fill depressions and cracks wider than 1/32" (.8 mm).
Lightweight Concrete	• Minimum 100-pound (45kg) density Minimum 3000 PSI (1361kg) Compressive Strength	Yes	Yes	Yes	
Resilient Floor	• Smooth surface resilient sheet and tile flooring	Yes	Yes	Yes	Must be single layer of flooring, fully adhered and well bonded.
	• Textured surface resilient sheet and tile	Prepare with embossing leveler or new underlayment			
	• Do not install over soft, heavy, cushioned floors, floors with a cushioned backing, asphalt tile or tile installed below grade level.	Remove or cover with new underlayment as appropriate			Follow Recommended Work Practices.
Ceramic and Stone	• Ceramic, marble and granite	Yes	Yes	Yes	Apply skim coat(s) to level the surface.

## General Subfloor Information

All subfloor surfaces must be clean, dry, smooth and free of reagents or contaminants that can stain flooring or interfere with adhesion.

**Wood Floors** must be structurally sound and free of movement with at least 18" (46 cm) of well-ventilated air space below. Sand joints smooth and set fasteners 1/32" (.8 mm) below the surface. Rough, weathered or damaged subfloor panels must be sanded smooth or covered with a suitable underlayment panel. Fill underlayment joints wider than 1/32" (.8 mm).

Flooring installed directly over single layer wood subfloors present a higher risk for joint telegraphing, protruding nail heads or fasteners and bottom up staining from paint overspray, spills, subfloor construction adhesive, coated fasteners or other contaminants. The subfloor panel must be a Sturd-I-Floor rated panel with a sanded face and Exposure 1 or Exterior classification. Congoleum will not assume responsibility for claims related to the subfloor material regardless of the underlayment or subfloor material used.

**Concrete Floors** must be clean, dry and smooth. Level rough or uneven surfaces, cracks and control joints with a portland cement-based patching compound. Do not install flooring over expansion joints. Moisture vapor emissions must not exceed 3-lbs./1000 ft.<sup>2</sup> (1.4kg/92.9m<sup>2</sup>)/24 hrs when tested with the Anhydrous Calcium Chloride Test (ASTM F 1869) or 75% RH when tested in accordance with (ASTM F-2170) "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using in situ Probes".

**Resilient Floors** must be single layer, fully adhered over an approved subfloor and securely bonded. Remove all wax, floor finish or polish prior to installation. Do not install AirStep products over soft, heavily cushioned floors, floors with a cushioned backing, asphalt tile, self-adhered tile or tile installed below grade level.

**⚠ WARNING: EXISTING IN-PLACE RESILIENT FLOOR COVERING AND ASPHALTIC ADHESIVES. DO NOT SAND, DRY SCRAPE, DRY SWEEP, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVE OR OTHER ADHESIVE.**

These **existing in-place** products may contain **asbestos fibers** and/or **crystalline silica**. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm.

Unless positively certain that the in-place product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern removal and disposal of material. See current addition of the Resilient Floor Covering Institute (RFCI) publication *Recommended Work Practices for the Removal of Resilient Floor Coverings* for instructions on removing all resilient floor covering structures or contact your retailer or Congoleum Corporation Installation and Technical Office (609) 584-3805.

## Adhesive

AS-01 Adhesive is recommended for use with all AirStep products installed fully adhered and perimeter fastened and under seams in loose lay applications.

AS-01 provides a releasable bond when it is applied with a 1/4" nap paint roller and allowed to dry to a tack before laying the flooring in to it. A trowel can be used as an alternate method over porous surfaces only. In this case the flooring is laid into the wet adhesive immediately after spreading it and a permanent bond is achieved.

## Adhesive Application

Installation Method	Performance	Subfloor	Applicator	Condition
Fully Adhere Perimeter Fasten	Releasable Bond	Porous or nonporous surfaces	1/4" (6.4mm) nap paint roller	Tacky Dry
Loose Lay Seams				
Fully Adhere	Permanent (non-releasable bond)	Porous surfaces <i>only</i>	1/16" x 1/32" x 1/32" (1.6mm x .8mm x .8mm) Trowel	Wet Set

## AS-01 Adhesive and QuikStik Tape Coverage

Installation Method	Location	Adhesive Application	Quart	Gallon	QuikStik
Fully Adhered	N/A	Trowel	50 - 65 sq. ft. (4.65m <sup>2</sup> - 6m <sup>2</sup> )	200 - 250 sq. ft. (18.6m <sup>2</sup> - 3.2m <sup>2</sup> )	N/A
Fully Adhered	N/A	Paint Roller	75 - 85 sq. ft. (7m <sup>2</sup> - 7.9m <sup>2</sup> )	300 - 350 sq. ft. (27.9m <sup>2</sup> - 32.5m <sup>2</sup> )	N/A
Perimeter Adhered	4" (10.2cm) Band at the perimeter	Paint Roller	200 - 225 lin. ft. (50.8m - 57m)	800 - 900 lin. ft. (203m - 228m)	50 sq. yd. room per roll (41.8m <sup>2</sup> )
Perimeter Adhered and Loose Lay Seams	6" (15.4cm) Band at Seams	Paint Roller	125 - 150 lin. ft. (31.7m - 38m)	500 - 600 lin. ft. (127m - 152m)	120 lin.ft. per roll (36.58 lin. meters)

## Preparing the Area

- Remove all furniture and appliances from the room.
- Remove all trim and transition moldings.
- Undercut door trim to allow flooring to slide under freely.
- Prepare the subfloor and sweep or vacuum thoroughly to remove all loose dirt and debris.

**Note: When using the QuikStik Installation System, follow instructions for applying tape prior to unrolling the floor.**

## ONE PIECE INSTALLATION

### Fully Adhered Method

**Use Congoleum AS-01 Adhesive for all fully adhered installations.**

Follow the recommendations listed under General Information.

### Flooring Layout

- Unroll the flooring using care to prevent distortions and position it squarely in the room to achieve the best design layout.
- Make relief cuts down to the floor/wall juncture at inside and outside corners.
- Allow the flooring to relax and flatten. If necessary use a soft bristle push broom to remove any distortions or air pockets.

Flooring can be fit net in areas where no finished trim will be installed. Do not fit the floor tight.



**Porous and Nonporous Surfaces:** To adhere the floor, lap or tube back one-half of the sheet using care to avoid creasing or bending it. Apply AS-01 Adhesive with a 1/4" (6.4mm) nap paint roller over the exposed subfloor and in a straight line up to the edge of the sheet. The adhesive should be applied in a light stippled pattern at a rate of 300 to 350 sq. ft. (27.9m<sup>2</sup> – 32.5m<sup>2</sup>)/gallon. Allow adhesive to dry completely, about 15 to 30 minutes (will not transfer to the finger when touched) before repositioning the sheet. This method provides a releasable bond in the event it is necessary to lift or adjust the sheet.

**Optional Method for Porous Surfaces Only:** AS-01 Adhesive can be applied with a 1/16"x 1/32"x 1/32" (1.6mm x .8mm x .8mm) notched trowel in lieu of a paint roller over porous surfaces only. When this method is used, the flooring must be laid into the wet adhesive immediately after spreading it. This method provides a permanent bond. Carefully push the flooring back into the adhesive without lifting it, to avoid trapping air under it. Immediately and prior to foot traffic, roll the floor in both directions with a 100 pound (45kg) or heavier three section roller starting from the center and working out toward the edges. Repeat this process on the other half of the sheet.

#### **Perimeter Fasten Method**

Follow recommendations listed under General Information. Sweep or vacuum the floor thoroughly to remove all dirt and grit. If the flooring is being installed with QuikStik Tape, apply the tape prior to unrolling the flooring. Unroll flooring using care to avoid distortions. In long narrow areas or in more intricate room layouts, place a string over the grout line and check to make sure the floor is straight and not bowed. Adjust the flooring to remove bow if necessary. Where finished trim will be installed, fit the floor with a 1/16" (1.6mm) space between the edge of the sheet and the walls and other vertical surfaces. Where no finished trim will be used, fit the floor flush or net. Tight or compression fitting is not recommended.

After fitting the floor to the room and flattening all distortions, fasten the entire perimeter with adhesive, QuikStik Tape or staples (on wood floors only). If using a combination of adhesive, staples and QuikStik tape complete the adhered areas first.

QuikStik Tape or AS-01 Adhesive is required under all seams, at net fitted areas, in front of cabinet toe spaces, at fixtures and floor vents and over concrete and other hard surfaces.

#### **Fastening the Perimeter with Adhesive**

To adhere the perimeter, carefully lay the edge of the floor back using care to avoid creasing it. Apply a 4" (10.2cm) band of adhesive along the perimeter using a 4" (10.2cm) x 1/4" (6.4mm) nap paint roller. Allow adhesive to set for 15 to 30 minutes or until tacky dry. Use a fan to accelerate drying if working in a cool or damp environment. Lay the floor into the adhesive immediately while pushing any roll distortions out toward the perimeter. Thoroughly roll the adhered area with a steel hand roller. Repeat the process to adhere the entire perimeter.

#### **QuikStik Tape**

Prior to unrolling the floor, position QuikStik Tape along the perimeter of the room, at all floor vents and columns. Position the tape within 1/4" away from the wall at net fit areas and within 1/2" away from the wall in areas that will be covered with trim. Do not overlap the tape or attempt to reposition it once it is laid into place. Roll the tape with a steel hand roller. Do not remove the release liner.

#### **Flooring Layout**

- Unroll the flooring using care to prevent distortions and position it squarely in the room to achieve the best design layout.
- Make relief cuts down to the floor/wall juncture at inside and outside corners.
- Allow the flooring to relax and flatten. If necessary use a soft bristle push broom to remove any distortions or air pockets.

If using a combination of QuikStik tape and staples, complete the taped areas first. Turn back one edge of the sheet and remove the release liner leaving 12" to 18" covered at the ends. This will allow the adjacent sides to be turned back easily. Lay the edge back into place and continue working around the room removing the release liner and pushing the flooring back into place. In more complicated room layouts it may be necessary to turn back larger sections of the floor to remove the release liner. Once the flooring is in place and all distortions are flat, roll the perimeter with a steel hand roller. To complete the installation, apply a thin bead of caulking at all net fits and wet areas.

**Staples** can also be used in lieu of adhesive to fasten the perimeter in areas where trim will be installed on installations over wood subfloors. The minimum staple size is 1/2" (12.7mm) crown with a 3/8" (9.5mm) leg. Use the longest staple length that can be seated tightly to the floor surface. Staple every 3" (7.6cm) along the wall, 1/4" (6.4mm) away from the edge of the sheet. After the floor has been fastened, install trim to cover staples.

#### **Loose Lay Method**

Follow recommendations listed under General Information. Sweep or vacuum the floor thoroughly to remove all dirt and grit.

#### **Flooring Layout**

- Unroll the flooring using care to prevent distortions and position it squarely in the room to achieve the best design layout.
- Make relief cuts down to the floor/wall juncture at inside and outside corners.
- Allow the flooring to relax and flatten. If necessary use a soft bristle push broom to remove any distortions or air pockets.

Trim the floor allowing a 1/16" (1.6mm) space between the edge of the sheet and the walls and other vertical surfaces. Trim flooring long at door trim and slide it under to achieve a finished appearance.

All finish trim and transition moldings must cover the edge of the flooring by at least 3/8" (9.5mm) and must be installed so they do not bind or restrict the flooring. Shoe molding, quarter-round and other trim should be positioned lightly on the floor and fastened to the wall, not to the subfloor. Transition moldings should be installed allowing a 1/8" (3.2mm) space between the edge of the sheet and the fasteners.

To prevent forced air from "pillowing" the loose laid flooring, we recommend applying duct tape to the inside of the heat duct and about 1/2" (12.7mm) onto the flooring, making sure that the register flange covers the tape.

**Bathroom Installations** - The flooring should be secured to the subfloor in front of tubs, showers or other wet areas. Place a strip of QuikStik Tape at the base of a bath tub or shower. Secure the edge of the sheet in the tape and seal it with a silicone caulking. Bathrooms that require more extensive net fitting should be installed perimeter fastened or fully adhered.

## Seaming Specifications

Pattern Number	Pattern Name	Reverse Sheets	Economy Match		Actual Repeat Length	Actual Repeat Width
			Length	Width		
AIRSTEP EVOLUTION®						
Adhesive: AS-01    Seam Sealer: SU106						
72000 - 72004	Terrace™	No	18" (45.7 cm)	36" (91.4 cm)	54" (137.2 cm)	108"(274.3 cm)
72010 - 72012	Colonial Plank™	No	Random	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
72015 - 72018	Tuscan Paver™	No	6" (15.2 cm)	6" (15.2 cm)	54" (137.2 cm)	108"(274.3 cm)
72020 - 72025	Rapolano Tile™	No	13.5" (34.3 cm)	13.09" (33.3 cm)	54" (137.2 cm)	144" (365.8 cm)
72030 - 72032	Pacific Maple™	No	Random	72" (182.9 cm)	54" (137.2 cm)	72" (182.9 cm)
72040 - 72044	Cozumel™	No	18" (45.7 cm)	27" (68.6 cm)	54" (137.2 cm)	72" (182.9 cm)
72050 - 72054	Grand Canyon™	No	13.5" (34.29 cm)	13.09" (33.25 cm)	54" (137.2 cm)	78.54" (199.49 cm)
72060 - 72061	Fair Wind™	No	27" (68.6 cm)	72" (182.9 cm)	54" (137.2 cm)	72" (182.9 cm)
72065 - 72069	Rendezvous™	No	27" (68.6 cm)	9" (22.9 cm)	54" (137.2 cm)	72" (182.9 cm)
AIRSTEP PLUS®						
Adhesive: AS-01    Seam Sealer: SU106						
58000 - 58002	North Star™	No	18" (45.7 cm)	36" (91.4 cm)	18" (45.7 cm)	36" (91.4 cm)
58005 - 58006	Woodland™	No	9" (22.9 cm)	9" (22.9 cm)	54" (137.2 cm)	72" (182.9 cm)
58010 - 58011	Satin Cloud™	No	27" (68.6 cm)	72" (182.9 cm)	54" (137.2 cm)	72" (182.9 cm)
58020 - 58025	Starlight™	No	27" (68.6 cm)	26.18" (67 cm)	54" (137.2 cm)	26.18" (67 cm)
58040 - 58041	Western Slate™	No	27" (68.6 cm)	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
58050 - 58051	Unity™	No	27" (68.6 cm)	36" (91.4 cm)	27" (68.6 cm)	36" (91.4 cm)
58065 - 58066	Harmony™	No	Random	36" (91.4 cm)	27" (68.6 cm)	36" (91.4 cm)
AIRSTEP BASIX®						
Adhesive: AS-01    Seam Sealer: SU106						
41010 - 41011	Acadia™	No	18" (45.7 cm)	18" (45.7 cm)	18" (45.7 cm)	18" (45.7 cm)
41020 - 41022	Sedona™	No	9" (22.9 cm)	9" (22.9 cm)	54" (137.2 cm)	72" (182.9 cm)
41030 - 41033	Panorama™	No	27" (68.6 cm)	39.5" (103.3 cm)	54" (137.2 cm)	144" (365.8 cm)
41040 - 41042	Random Plank™	No	Random	48" (121.9 cm)	54" (137.2 cm)	48" (121.9 cm)
41050 - 41053	Flagstone™	No	27" (68.6 cm)	24" (61.0 cm)	27" (68.6 cm)	24" (61.0 cm)

## Seaming

### Place seams:

- In the least conspicuous and least traveled area in the room.
- A minimum of 6" (15.4 cm) away from parallel underlayment joints.
- At least 6" (15.4 cm) away from seams in existing sheet flooring or within the center of a row of tile.

### Matching Designs

Always install sheets in the order they were cut from the roll, starting with the first sheet.

### Seaming Specifications

**Reverse Sheets** - Rotate alternating sheets 180° to seam the same edges together.

**Do Not Reverse** - Seam opposite edges together.

When estimating flooring, add 3" (7.7cm) to the length of the room dimension for the first sheet and 3" (7.7cm) plus the design match for all other sheets.

An actual and economy design match has been listed to provide options for producing the best appearance. The economy match does not necessarily repeat exactly but it generally matches very well and it is great for fill pieces and less conspicuous areas, while an actual match may be more appropriate for a highly conspicuous area.

### Seaming Procedure

All seams in AirStep Evolution, AirStep Plus and AirStep Basix must be cut using the overlap and double cut method. The

straightedge and butt and recess scribe method will not produce an acceptable seam.

Install the first sheet leaving 12" (30.8cm) unadhered along the entire length of the seam (fully adhered floors). Position the second sheet in the room, overlap the selvage edges and carefully match the design. Adhere the second sheet leaving 12" (30.8cm) unadhered at the seam for a total dry zone of 24" (61.5cm).

Place a 3" (7.7cm) wide strip of scrap flooring under the entire length of the seam.

Cut the seam in the center of the embossed line when seaming designs with grout lines that are wider than 5/32" (4mm).

Cut the seam up on the shoulder of the grout line in the land area when seaming designs with narrower grout lines.

Cut the seam with a sharp utility knife and steel straightedge.

Hold the knife at a 90° angle from the floor and apply sufficient pressure to cut through both sheets in a single pass. Use caution to avoid cutting into the subfloor surface.

### Adhering the Seam

#### Fully Adhered Floors

Turn the seam edges back and apply AS-01 Adhesive over the entire dry zone. Adhesive can be applied with a 1/16" x 1/32" x 1/32" (1.6mm x .8mm x .8mm) notched trowel over porous surfaces in a wet set application or with a paint roller in a tacky dry application over all approved substrates. Remember to allow the adhesive to dry to a tack when using a paint roller. **Note:** Flooring should be laid into the adhesive as quickly as

**possible after adhesive dries to a tack. Use a fan to accelerate drying if working in a cool or damp environment.**

Lay the floor into the adhesive using extreme care to prevent scraping or squeezing adhesive into the seam cut. If this should occur, lift the edges of the sheet and clean any adhesive from the edge with a clean damp cloth and reposition the sheets. Roll the seam area with a 100-pound (45kg), three-section roller and level the seam edges with a steel hand roller.

#### ***Perimeter Fasten and Loose Lay Floors***

Turn one seam edge back and mark the seam location on the subfloor with a pencil using care to avoid writing on the edge of the sheet.

#### ***Fastening the Seam with Adhesive***

Use a 4" (10.2cm) wide, 1/4" (6.4mm) nap paint roller to apply a 6" (15.4cm) band of adhesive centered over the pencil line. Allow the adhesive to set up for 15 to 30 minutes or until tacky dry.

**Note: Flooring should be laid into the adhesive as quickly as possible after adhesive dries to a tack. Use a fan to accelerate drying if working in a cool or damp environment.**

Lay the seam edges into the adhesive lightly and check to make sure the seam is properly aligned with no gaps. Adjust if necessary.

Roll the seam with a steel hand roller to level the edges and embed the backing into the adhesive.

#### ***Fastening the Seam with QuikStik Tape***

Turn one edge of the seam back and mark the subfloor with a pencil where the seam will fall. Position a strip of QuikStik Tape centered over the pencil line and roll the tape with a steel hand roller. Remove the release liner and lay the seam edges lightly in to place to achieve a net seam. If necessary to adjust the seam, carefully lift the edge of the sheet using care to avoid damaging the backing and re-align the seam. Once the seam is in place, roll it with a steel hand roller.

#### ***Sealing Seams***

Seal all seams before leaving the job using SU106 Seam Sealer. Remember to pre-treat the seam with the 3M® green pad

included in the SU106 kit prior to applying seam sealer. Refer to the seam sealer label for detailed instructions. Keep traffic off seams for a minimum of 16 hours or until fully cured.

#### ***Completing the Job***

- Install trim and transition moldings. Remember to follow special instructions for loose lay floors.
- A high quality silicone caulking must be used to seal the edge of the flooring at net fits, in wet areas, in front of tubs, showers, sinks and around drains.
- Return all furniture and appliances to the room. Always use strips of hard board to protect the floor when sliding or rolling appliances and furniture back into place.

#### ***Repair***

Surface cuts and punctures are easily repaired by applying the recommended seam sealer to the damaged spot.

More extensive damage can be repaired by replacing the damaged area with a patch.

Obtain a matching piece of flooring material. Cut a section of the floor slightly larger than the damaged spot. Remove complete design units when possible.

Position the replacement piece directly over the damaged area and accurately match the design.

Secure the replacement piece with tape on all sides.

Use a sharp utility knife and steel straightedge to cut the seams on all sides of the repair piece.

Cut the seam in the center of a grout line or in a dark color of the floor if possible.

Hold the utility knife at a 90° angle to the floor and cut through both pieces in a single pass.

Remove the damaged area.

Install the repair piece using AS-01 Adhesive or QuikStik Tape to secure the repair piece.

Seal the seams with the recommended seam sealer following label instructions.

The logo for Congoleum, featuring the brand name in a stylized, cursive script font. The 'C' is large and loops around the first part of the word. A registered trademark symbol (®) is located at the end of the word.



Featuring

# DuraCeramic®



DuraCeramic® • DuraPlank® II • Ovation®

INSTALLATION AND TECHNICAL GUIDE

Congoleum®  
2012



## DURACERAMIC INSTALLATION PROCEDURES SAFETY

Safety for yourself and others on the job site is your responsibility as a professional flooring installer. Read and observe the following safety precautions.

- Read and follow the safety precautions and warnings printed on the label of the installation accessory products being used. *Obtain the appropriate MATERIAL SAFETY DATA SHEETS (MSDS) for information that may be required for products which may contain hazardous materials.* MSDS are available for the adhesive, joint sealer, and grout. You may obtain an MSDS for these products by calling or writing to your Congoleum distributor or contacting Congoleum at the address or phone number listed on this page.
- **Wood and concrete:** If working on wood or concrete subfloors, use proper safety precautions when sanding or grinding. Avoid creating dust. Concrete and cementitious patching compounds contain crystalline silica, which is a known carcinogen. Wood dust is classified as a nasal carcinogen in humans. Airborne wood dust may also be an explosive hazard.
- **Resilient Flooring**

### WARNING

Do not sand, dry sweep, dry scrape, drill, saw, beadblast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphaltic “cutback” adhesive, or other adhesive. These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern the removal and disposal of material. Whenever possible, existing flooring should be left in place and the new floor installed over the top. If you must remove old flooring material, contact your retailer or Congoleum Corporation, Installation Department, P.O. Box 3127, Mercerville, NJ 08619, for a copy of recommended work practices for the removal of resilient floor coverings. These practices should be followed.

### NOTICE

Various federal, state and local government agencies have regulations covering the removal of in-place asbestos containing material. If you contemplate the removal of a resilient floor covering structure that contains (or is presumed to contain) asbestos, you must review and comply with all applicable regulations. Regulations outside the United States may vary.

Copies of the Resilient Floor Covering Institute (RFCI) Recommended Work Practices for the Removal of Resilient Floor Coverings are available from:

Resilient Floor Covering Institute  
401 East Jefferson Street  
Suite 102  
Rockville, MD 20850

Please note that the RFCI Recommended Work Practices are subject to change as new practices are incorporated. It is your responsibility to determine that the recommended work practices you use are those in effect.

### CAUTION: PAINTS CONTAINING LEAD

Certain paints may contain lead. Common renovation activities like sanding, cutting, removal of trim and demolition can create hazardous lead dust and chips which can be harmful. Beginning April 22, 2010 contractors performing renovation projects, including preparation of an area to receive floor covering, that disturb lead-based paints in pre-1978 homes, child care facilities and schools must be certified and must follow specific work practices to prevent lead contamination. Detailed information on training

and certification is available through the EPA at the following web site [www.epa.gov/lead/pubs/toolkits.htm](http://www.epa.gov/lead/pubs/toolkits.htm).

## MOLD AND MILDEW ISSUES

Prior to removing an existing floor following the RFCI Recommended Work Practices for Removal of Resilient Floor Coverings (unless state or local law requires other measures), if there are visible indications of mold or mildew or the presence of a strong musty odor in the area where resilient flooring is to be removed or installed, the source of the problem should be identified and corrected before proceeding with the flooring work. In virtually all situations, if there is a mold issue, there is or has been an excessive moisture issue. Visible signs of mold or mildew (such as discoloration) can indicate the presence of mold or mildew on the subfloor, on the underlayment, on the back of the flooring, and sometimes even on the floor surface. If mold or mildew is discovered during the removal or installation of resilient flooring, all flooring work should stop until the mold or mildew problem (and any related moisture problem) has been addressed.

In areas where flooding has occurred, it is recommended that damaged flooring be removed following the RFCI Recommended Work Practices for Removal of Resilient Floor Coverings (unless state or local law requires other measures). Any underlayment and subfloor should be allowed to thoroughly dry and, if necessary, cleaned, disinfected, and otherwise remediated consistent with the U.S. Environmental Protection Agency (EPA) guidelines referenced below. Any structural damage or signs of mold or mildew must be corrected before reinstalling resilient flooring. This may include, for example, replacement of the underlayment and/or subfloor.

For water damage caused by leaking fixtures, the source of the moisture leak must be located and corrected. Any structural damage must be repaired and any signs of mold or residual moisture must be addressed before replacing the resilient flooring in the affected area.

To deal with mold and mildew issues, you should refer to the EPA guidelines that address mold and mildew. Depending on the mold and mildew condition present, those remediation options range from clean up measures using gloves and biocide to hiring a professional mold and mildew remediation contractor to address the condition. Remediation measures may require structural repairs such as replacing the underlayment and/or subfloor contaminated with mold and mildew as a result of prolonged exposure to moisture.

The EPA mold guidelines are contained in two publications “A Brief Guide To Mold, Moisture and Your Home” (EPA 402-K-02-003) and “Mold Remediation in Schools and Commercial Buildings” (EPA 402-K-01-001). Appendix B of the “Mold Remediation in Schools and Commercial Buildings” publication describes potential health effects from exposure to mold, such as allergic and asthma reactions and irritation to eyes, skin, nose and throat. These publications can be located on EPA’s website at [www.epa.gov/iaq/molds/](http://www.epa.gov/iaq/molds/)

- Keep work areas free of obstructions, such as tools and scrap or loose tiles, and dispose of scrap materials promptly and properly to eliminate a slip or trip hazard.
- Always use the correct lifting practices.
- Use heavy-duty extension cords and keep them in good repair.
- If using minerals spirits as suggested in this guide, **CAUTION: Minerals spirits is a flammable material. Read and follow cautionary instructions on the labels of these products.**
- Wear protective equipment when appropriate such as safety glasses, respirators, NIOSH-designated dust masks, kneepads, gloves, etc.

## DuraCeramic, DuraPlank II and Ovations

*DuraCeramic* with Scotchgard Protector is an innovative flooring product with unique installation procedures that vary from traditional ceramic and natural stone.

*DuraPlank II* with Scotchgard Protector comes in 4½" x 36" planks in a variety of real wood colorations. *DuraPlank II* features the beauty of real wood with the durability and moisture resistance of *DuraCeramic*. Use *DuraPlank II* in any room in the home or combine it with *DuraCeramic* to create custom borders and insets.

*Ovations* is a 14" x 14" tile that has the same installation procedures as *DuraCeramic*.

*DuraCeramic*, *DuraPlank II* and *Ovations* are constructed with a limestone composite base that is fortified with a polymeric resin. It provides toughness and flexibility to resist breaking from normal subfloor deflection, expansion and contraction. This feature permits fast, easy installation using a pressure sensitive adhesive over a wide variety of wall and subfloor surfaces without extensive preparation.

### OVERVIEW

Use Congoleum DS100 DuraSet Adhesive, for all approved floor applications. Set tiles and planks into tacky dry adhesive. Mortar, mastic or other adhesives are not recommended. Depending on the desired appearance, tiles can be installed with or without grout.

- **Grouted floor tiles** are laid with a 1/16" to 1/4" space at the joints depending on the desired grout line width. Congoleum DuraCeramic Premixed Grout can be applied immediately after tile is installed. Do not use cement, epoxy or other premix grouts.
- **Ungrouted floor tiles** are laid with no space at the joints. The joints on an ungrouted DuraCeramic tile floor should be sealed with Congoleum DS200 DuraCeramic Joint Sealer to lock out surface water and aid cleaning. Sealing is highly recommended for all un-grouted DuraCeramic floors.
- **DuraPlank II** is designed as a flooring product but it can also be installed on the walls to create a durable easy to clean surface. *DuraPlank II* is always installed with no space between the joints. Do not seal the joints with DS200 Joint Sealer or apply grout to joints.

### INSTALLATION ACCESSORY MATERIALS

- DS100 DuraSet Adhesive – For all approved tile and plank floor applications.
- DuraCeramic Premixed Grout – For joints on grouted floor tiles.
- DS200 DuraCeramic Joint Sealer – For joints on ungrouted DuraCeramic floor tiles only.
- DuraCeramic Installation Accessory Kit – For grouted applications.
- Congoleum UnderFlor – Floating Underlayment System.

### RECOMMENDED USE

*DuraCeramic* and *DuraPlank II* are recommended for residential and light commercial use in dry, interior, heated areas. *Ovations* is only recommended for residential use in dry, interior, heated areas.

#### RESIDENTIAL

Recommended for use in all areas of the home except countertops, ceilings and wet areas like shower walls and shower floors.

#### LIGHT COMMERCIAL

Recommended for areas receiving light commercial foot traffic.

*DuraCeramic* and *DuraPlank II* are not recommended for installation in exterior or unheated areas, wet areas, like shower walls or shower floors, countertops, ceilings, in commercial kitchens or food processing areas or on ramps. For information on other specific applications, contact the Congoleum Installation and Technical Office at (609) 584-3888.

### GENERAL INFORMATION

- Always store and transport cartons on a flat surface stacked no more than 10 cartons high. Handle tiles, planks and cartons with care. Tiles and planks can be damaged if dropped.
- Condition the room(s) and all flooring and setting materials at a constant temperature between 65°F (18°C) and 85°F (29°C) for 48 hours prior to, during, and 48 hours after installation. Thereafter, maintain a room temperature between 55°F (13°C) and 100°F (38°C).
- When installing flooring from two or more cartons, check the code on the side of the cartons to ensure that the pattern and shade numbers are the same. Mix tiles from several different cartons to achieve the best appearance.
- For best visual results: For *DuraCeramic* the directional arrows printed on the back of the tile should be installed following the illustration in (Fig. 1), with tiles turned randomly, i.e. north, south, east and west. For *Ovations*, install with directional arrows pointing in the same direction as shown in (Fig. 2). For *DuraPlank II*, install all planks with arrows pointing in the same direction following the illustration in (Fig. 3).

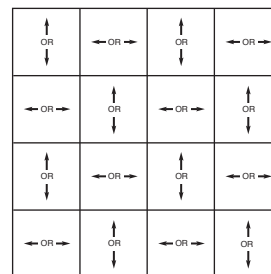


Fig. 1 - Turn tiles as shown.

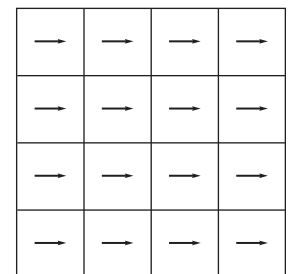


Fig. 2 - Arrows in the same direction.

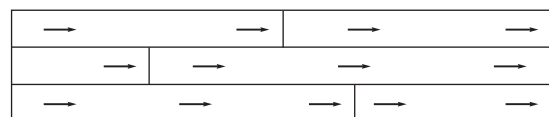


Fig. 3 - Install planks with arrows running in the same direction.



## INSTALLATION ACCESSORIES INFORMATION

	DS100 DuraSet Adhesive	DS200 DuraCeramic Joint Sealer	DuraCeramic Premixed Grout		
Order Code	DS100	DS200	Use specific color code		
Description	Solvent free, acrylic, pressure-sensitive adhesive	Water-based, flexible acrylic sealer	Premixed sanded, acrylic grout		
Use	Installing tile and plank over all approved floor and wall surfaces	For sealing joints in ungrouted DuraCeramic floors only.	For use with DuraCeramic and Ovations in grouting joints 1/16" to 1/4" wide. Can also be used for grouting most ceramic, quarry and porcelain floor tile.		
Limitations	Not recommended for solid vinyl tile, rubber tile, or resilient sheet products.	Not recommended for walls, or vertical surfaces, ceramic, porcelain, natural stone, DuraPlank II or Ovations.	Not recommended for nonvitreous tiles or natural stone, exterior use, shower floors or underwater use.		
Coverage	200 to 250 sq. ft. per gallon	320 sq. ft. per 8 oz. bottle	Joint Width	Approximate Coverage 16" x 16" or 14" x 14" Tile	
				Sq. Ft./Qt.	Sq. Ft./Gal.
			1/16" (1.6mm)	110 (10m <sup>2</sup> )	450 (42m <sup>2</sup> )
			1/8" (3.2mm)	80 (7.4m <sup>2</sup> )	325 (31m <sup>2</sup> )
			3/16" (4.8mm)	70 (6.5m <sup>2</sup> )	275 (26m <sup>2</sup> )
			1/4" (6.4mm)	55 (5m <sup>2</sup> )	225 (21m <sup>2</sup> )
Applicator	1/16" wide, 1/32" deep, 1/32" apart, trowel blade adapter included	Applicator nozzle included	Hard rubber float or green epoxy float. Cleanup with firm sponge and 3M® white pad.		
Working Time	Floors: 12 hours. Dry to tack - 45 to 60 min. under normal conditions.	N/A	10 minutes - for best results apply grout in a 20 sq. ft. area on floors and clean up immediately.		
Set Up Time	N/A	Tack free -1 hour Set up - 8 hours	16 to 24 hours		
Clean Up	Wet - Soap and water Dry - Clean cloth dampened with mineral spirits.*	Wet - Water Dry - Mineral spirits ( <b>Caution: Mineral spirits is flammable</b> )	Wet - Water Dry - Household ammonia cleaner. Do not use grout haze removers.		
Color	Pale blue, turns clear when tacky dry	White, turns clear when dry	Popular versatile colors available		
Tracers	Dark Red	N/A	N/A		
Unit Size	1 quart; 1 gallon; 4 gallons	8 oz. bottle	1 quart; 1 gallon		
Shelf Life	1 year if unopened	1 year if unopened	2 years, if unopened		
Freeze/Thaw Stability	Yes	Yes	Yes		
Flammable	No	No	No		
Cautions	Potential skin and eye irritant	Potential skin and eye irritant	Potential skin, eye and respiratory irritant		

DS100 and DS200 - WARNING: Potential eye and skin irritant. DuraCeramic Premixed Grout - WARNING: Potential eye, skin and respiratory irritant. \* Mineral spirits - Caution: Flammable material; read and follow cautionary statements on label.

## PRODUCT INFORMATION

### Specifications and Recommended Usage

PRODUCT INFORMATION	DuraCeramic	DuraPlank II	Ovations
Size (nominal)	15 5/8" x 15 5/8" (39.7 cm x 39.7 cm)	4 1/2" x 36" (11.4 cm x 91.44 cm)	14" x 14" (35.6 cm x 35.6 cm)
Gauge (nominal)	.160" (4.1mm)	.160" (4.1mm)	.140" (3.6mm)
Packaging	10 pieces/carton; 17 sq. ft.; 1.58 m <sup>2</sup>	16 pieces/carton; 18 sq. ft.; 1.67m <sup>2</sup>	15 pieces/carton 20.4 sq. ft.; 1.90m <sup>2</sup>
Shipping Weight	30.5 lbs./carton	34.5 lbs./carton	32.7 lbs./carton
NBS Smoke Density	Passes	Passes	Passes
Critical Radiant Flux (ASTM E648 >0.45w/cm <sup>2</sup> )	Passes	Passes	Passes
Motor Vehicle FMVSS 302	Passes	Passes	N/A
Static Load Limit	250 psi	250 psi	250 psi
Slip Resistance	Meets ADA Recommendations		
PEI Rating	3-4	N/A	N/A
Installation Method	Grouted or Traditional Edge-to-Edge Fit (UngROUTED)	Edge-to-Edge Fit	Grouted or Traditional Edge-to-Edge Fit (UngROUTED)
Subfloor Application	On, above or below grade level		
Adhesive	Congoleum DS100 DuraSet Adhesive		
Grout	DuraCeramic Premix Grout	Not recommended	DuraCeramic Premix Grout
Joint Sealer (Recommended for ungrouted floors)	DS200 Joint Sealer	Not recommended	Not recommended
Suggested Usage	Residential/Light Commercial		Residential
Warranty	Residential - Lifelong Limited /Light Commercial - Five-Year Limited Commercial		Residential 20 Years

## FLOORING INSTALLATIONS

### Special Installation Tools

- Notched trowel (1/16" wide, 1/32" deep, 1/32" apart)
- 100-pound, three-section, steel roller
- Grout tools and spacers for grouted applications
- 18" tile cutter - optional

### Subfloor Recommendations

DuraCeramic, DuraPlank II and Ovations may be installed directly over dry concrete on all grade levels, suspended wood, qualifying old resilient floors, ceramic tile and terrazzo. DuraCeramic, DuraPlank II and Ovations can also be installed over Congoleum UnderFlor, an optional floating underlayment system by Congoleum.

The surface must be clean, dry and free of dust, dirt, grease or other extraneous material that will inhibit bonding. Thoroughly vacuum floor to remove dust.

- **Deviations in the flatness of the subfloor cannot exceed 1/16" in 1' or 3/16" in 10'.** Check the surface with a straightedge and fill low areas with a portland cement-based latex patching compound. Gypsum-based patching compounds are not recommended.

- The use of a high-quality latex primer that is specifically designed to improve adhesion may be used over wood, porous concrete and patching compounds prior to adhesive application. The primer will help seal the surface and tie down dust that can interfere with the adhesive bond. Do not use paint primers.

### Concrete Floors

Concrete must be clean, dry, and free of paint, curing, hardening and parting compounds, sealers, and old adhesive residue. Moisture vapor emissions should not exceed 5 lbs./1000 ft.<sup>2</sup>/24 hrs. when tested with the calcium chloride kit. Do not install DuraCeramic, DuraPlank II or Ovations over expansion joints; instead, cut the tile neatly to each side of the joint and fill it with an elastomeric polyurethane joint filler or cover with an expansion plate cover.

### Wood Floors

Wood subfloors must be structurally sound and free of movement with at least 18" of well-ventilated air space below. Single layer floors and stripwood floors must be covered with a 1/4" or heavier underlayment to achieve a total subfloor thickness of 1". Position underlayment joints so they offset the joints in the tile by at least 3". Sand underlayment joints level and fill gaps wider than 1/32" with the recommended patching compound.



## SUBFLOOR RECOMMENDATIONS

Subfloor Construction/ Materials	Comments	Notes
Congoleum UnderFlor	<ul style="list-style-type: none"> <li>UnderFlor is an underlayment system for floating installations of DuraCeramic, DuraPlank II and Ovations over a variety of substrates in lieu of direct bonding. See detailed instructions on page 7.</li> </ul>	The subfloor surface must be smooth, solid and dry.
Wood	<ul style="list-style-type: none"> <li>Double layer construction over joist or trusses on 16" centers with at least 18" of well-ventilated air space.</li> <li>Install 1/4" or heavier underlayment over strip wood, single layer wood floors and APA-rated Sturd-I-Floor Systems.</li> </ul>	Subfloor must be solid and free of movement.
Underlayment	<ul style="list-style-type: none"> <li>APA underlayment grade plywood with fully sanded face.</li> <li>Hardwood and veneer underlayment panels.</li> <li>Lauan plywood, particleboard, oriented strand board and chipboard create a higher risk for installation and adhesive failure and are not recommended unless warranted by the panel manufacturer or supplier.</li> <li>Not recommended over cement backer-boards, glass mesh mortar units or acoustical cork.</li> </ul>	Install according to panel manufacturers' written instructions.
Concrete	<ul style="list-style-type: none"> <li>On, above and below grade level.</li> <li>Radiant-heated floors not to exceed 85°F (29°C).</li> </ul>	Moisture vapor emissions not to exceed 5 lbs.
Light Weight Concrete (Residential Application only)	<ul style="list-style-type: none"> <li>Minimum 100-pound dry density</li> <li>Installation over gypsum-based acoustical toppings is not recommended unless Congoleum UnderFlor is used.</li> </ul>	Confirm adequate adhesion to substrate.
Resilient Floor (See WARNING on inside cover)	<ul style="list-style-type: none"> <li>Smooth, non-cushioned sheet flooring and vinyl composition tile.</li> <li>Embossed non-cushioned and thin cushioned vinyl flooring can be prepared with embossing leveler in residential applications.</li> <li>Do not install over soft, heavy cushioned floors, flooring with a cushioned backing, self-adhering tile or tile installed below grade level.</li> </ul>	Must be single layer, fully adhered and well bonded. Remove wax or polish.
Ceramic and Stone	<ul style="list-style-type: none"> <li>Ceramic, marble and granite.</li> </ul>	Fill grout joints and level floor.
Carpet/ Laminate	<ul style="list-style-type: none"> <li>Not recommended.</li> </ul>	Remove
Patching Compound	<ul style="list-style-type: none"> <li>Portland cement-based compound such as Ardex Feather Finish, Mapei Plani-Patch or equal.</li> <li>Gypsum-based patching compounds are not recommended.</li> </ul>	Refer to manufacturers' instructions for use and applications.

## CONGOLEUM UNDERFLOR

UnderFlor is an all-in-one underlayment system that provides an economical solution for installing DuraCeramic, DuraPlank II and Ovations as a floating flooring system over a variety of subfloor surfaces. Now, one underlayment covers it all; wood, concrete, most old hard surface flooring, gypsum topping, even old adhesive residue and painted surfaces. Congoleum UnderFlor is constructed in 6' wide rolls, and since it is a floating underlayment, it requires no fasteners or special tools so it's quick and easy to install.

### Roll Sizes

UF120 – 6' x 180' (120 sq. yds. or 1080 sq. ft.)

UFB07 – 6' x 16.7' (11.11 sq. yds. or 100 sq. ft.)

### Recommended Use

- Residential applications on all grade levels
- Interior use in dry, heated areas
- Do not install over ramps, in showers or other wet areas

### General Information

- Always roll sheets of Congoleum UnderFlor tightly around a tube with the vinyl side out for storing and transporting. Avoid distorting Congoleum UnderFlor.
- Condition the room and all flooring materials at a constant temperature between 65°F (18°C) and 85°F (29°C) for 48 hours prior to, during and 48 hours after installation.
- All UnderFlor underlayment and finished flooring must be installed with a 1/4" space around the perimeter of the room to allow for expansion and contraction of the flooring system and subfloor. Undercut door casing and slide finished flooring under for a finished appearance.
- Use DS100 Adhesive only for installing Congoleum DuraCeramic, DuraPlank II and Ovations over Congoleum UnderFlor. Hard setting adhesives should not be used with Congoleum UnderFlor.

### Congoleum UnderFlor Installation

Install Congoleum UnderFlor with the vinyl side down just prior to installation of finished flooring. Determine the appropriate seam location and direction of the underlayment (depending on the finished flooring selection).

### Important

For **tile** installation, position UnderFlor with seams at least 4" away from the joints in the finished floor tile. (Fig. 4).

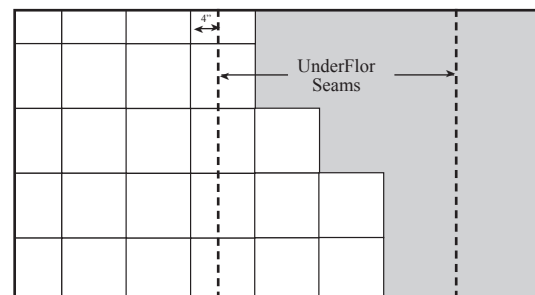
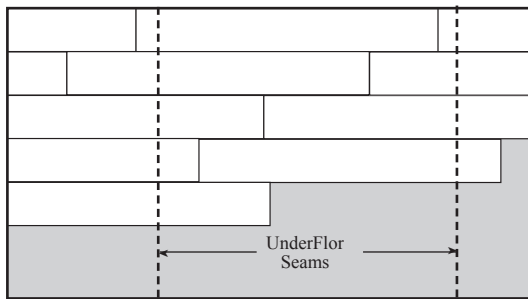


Fig. 4 – Position seams at least 4" away from tile joints.

For **DuraPlank II** always install UnderFlor with seams running perpendicular to the long dimension of the plank flooring (Fig. 5). Install planks with staggered end joints positioned at least 2" away from the seams in the Congoleum UnderFlor.



**Fig. 5 – Install UnderFlor with seams perpendicular to the long dimension of the DuraPlank II flooring.**

Unroll the first sheet and trim it to fit allowing a 1/4" space between the edge of the sheet and the wall.

Unroll the second sheet and position it with the seam edge butted lightly up to the first sheet. If necessary, to adjust the seam location to ensure proper placement, overlap the sheets and double-cut a new seam in the desired location. Use a straightedge and utility knife to cut the seam.

Tape the sheets together with 2" wide clear packaging tape or other thin single face plastic tape available through office supply stores and most home centers. Apply the tape, centered directly over the top of the seam edges. Roll the tape with a steel seam roller.

Suitable Packaging Tapes Include:

- Scotch® 3850 Packing Tape
- Duck™ Tape Standard Packaging Tape
- Shurtape® HP Series

Do not use masking tape, fiber reinforced tape, duct tape or other thick tapes that might telegraph through the finished flooring.

Install finished flooring immediately after installing Congoleum UnderFlor.

### Installing DuraCeramic, DuraPlank II and Ovations over Congoleum UnderFlor

Follow installation instructions for the finished flooring being installed. Install finished flooring with Congoleum DS100 DuraSet Adhesive using the recommended trowel notch size. Do not apply excess adhesive. Allow adhesive to dry completely to a tack prior to flooring installation. Slight growth (buckles) in the UnderFlor may occur immediately after adhesive application. This is normal and will not affect the finished flooring installation. Install finished flooring allowing a 1/8" to 1/4" space around the entire perimeter. If necessary to adjust or remove a tile or plank, use a heat gun to warm it up first. Roll finished flooring on completion of the installation.

All finish trim and transition moldings must be installed so they do not bind or restrict the finished flooring from moving when expansion and contraction occurs during seasonal changes. Fasten the trim to the wall not to the subfloor. Do not drive fasteners into the floor or underlayment.

## CONGOLEUM UNDERFLOR SUBSTRATE RECOMMENDATIONS

**UnderFlor can be installed over the following surfaces:**

Subfloor Construction/ Materials	Comments	Notes
<b>Wood Structure</b>	<ul style="list-style-type: none"> <li>• Double layer construction over joist or trusses on 16" centers .</li> <li>• Single layer floors constructed with APA Rated Sturd-I-Floor T&amp;G Panels, minimum 23/32" over joists or trusses on 19.2" centers</li> </ul>	Subfloor must be smooth, solid and free of movement with at least 18" of well ventilated air space below
<b>Underlayment</b>	<ul style="list-style-type: none"> <li>• APA underlayment grade plywood</li> <li>• Oriented Strand Board (OSB)</li> <li>• NPA rated Particleboard</li> </ul>	Weather damaged or rough surface materials must be sanded smooth. Gaps wider than 1/8" should be filled level
<b>Concrete</b>	<ul style="list-style-type: none"> <li>• On, above and below grade level.</li> <li>• Radiant-heated floors not to exceed 85°F (29°C).</li> </ul>	Moisture vapor emissions not to exceed 5 lbs. Fill depressions and cracks wider than 1/8"
<b>Gypsum Topping and Light Weight Concrete</b>	<ul style="list-style-type: none"> <li>• Minimum 100-pound dry density</li> <li>• Minimum 2,000 psi compression rating is required.</li> </ul>	Fill depressions and cracks wider than 1/8"
<b>Resilient Floor</b>	<ul style="list-style-type: none"> <li>• Smooth, or textured sheet flooring</li> <li>• Vinyl composition tile</li> <li>• Do not install over soft, heavy cushioned floors, flooring with a cushioned backing or tile installed below grade level.</li> </ul>	Must be single layer, fully adhered and well bonded.
<b>Ceramic and Stone</b>	<ul style="list-style-type: none"> <li>• Ceramic, marble and granite.</li> </ul>	Apply skim coat(s) to level the surface
<b>Old Adhesive Residue and Paint</b>	<ul style="list-style-type: none"> <li>• Adhesive Residue - Scrape to remove heavy spots and cover with a 4 mil sheet of poly film</li> <li>• Paint - Remove loose paint</li> </ul>	Follow recommended work practices for adhesive and paint removal

Seal all areas that may be exposed to surface spills, i.e. tubs, toilet and showers with a silicone caulking.

## DURACERAMIC INSTALLATION

### Tile Layout

- Layout is slightly different for grouted and ungrouted floors. The grout line width must be added to the tile dimension for layout on grouted floors. Additional chalk lines are also used to keep the joints straight. DuraCeramic nominal tile size is 15 5/8" x 15 5/8". Ovations nominal tile size is 14" x 14".
- It is important to avoid positioning the tile joints directly over underlayment joints or seams in UnderFlor or existing flooring. If this should occur, reposition chalk lines to offset joints by at least 3" or half of the tile dimension.

## Square Layouts

- Place a mark in the center of the floor at each end of the room. Then snap a chalk line between the marks.
- Find the center of the line and snap a second chalk line at a right angle; use the 3', 4', 5' method to form a right angle (Fig. 6).

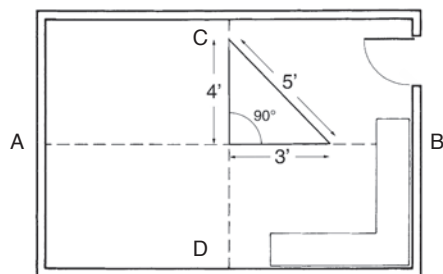


Fig. 6 - Square layout.

- Make a dry layout in one quadrant along the center and perpendicular chalk lines. Remember to allow the desired grout line space between the tiles. A story pole (board marked with tile dimensions, including grout line width) can also be used in place of a dry layout.
- Measure the distance between the last whole tile and the wall. If the distance is less than half a tile, snap a new chalk line one-half the dimension of a full tile away from the original chalk line (Fig. 7). This will provide a balanced layout with larger cut tile at the border.

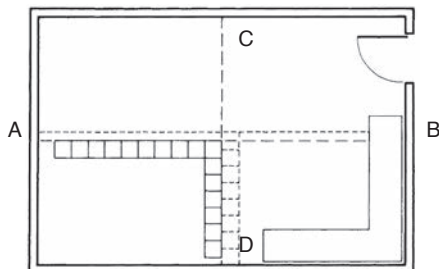


Fig. 7 - Adjust layout at center lines for larger border tiles.

- When installing grouted floors, divide the floor into smaller sections to help maintain consistent grout line widths and keep the joints running straight (Fig. 8). Each section should be the precise dimension of 2 or 3 whole tiles wide, including the grout line width. Lay out the smaller sections by starting at the center lines and measuring out toward the walls. It is not necessary to divide the room into smaller sections when installing ungrouted floors.

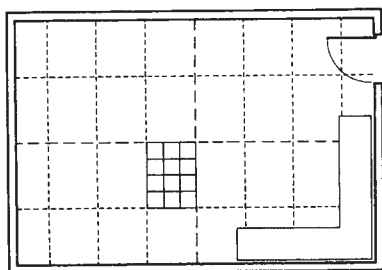


Fig. 8 - Lay out smaller sections for grouted floors.

**Note:** Chalk lines can be easily removed or difficult to see after applying adhesive over some subfloor surfaces like old flooring and concrete. To avoid losing the lines, mark the subfloor with a pencil and a straightedge, directly over the chalk lines.

## ADHESIVE APPLICATION

Congoleum DS100 DuraSet Adhesive is a pressure-sensitive adhesive that must be allowed to dry completely to a tack before setting tiles.

- Apply the adhesive with the trowel blade attachment included with the adhesive. The recommended trowel notch size, 1/16" wide, 1/32" deep, 1/32" apart.
- Spread the adhesive over one-half of the subfloor and a few inches beyond the center chalk line.
- Allow the adhesive to dry completely to a tack before installing the tile. Normal dry to tack time is about 45 to 60 minutes; longer in cool or humid conditions. The adhesive will turn from light blue to clear when tacky dry and will not transfer to the finger when firmly touched. **Do not use fans** to accelerate adhesive drying time. Fan drying can cause the top surface of the adhesive to dry prematurely, trapping residual moisture in and preventing the adhesive from fully curing.
- Tile must be installed within 12 hours after adhesive turns clear.

## SETTING FLOOR TILES

Carefully position the first tile into the adhesive at the intersection of the chalk lines (Fig. 9). The tile will bond instantly on contact so it must be positioned accurately without sliding it. Press the tile firmly into the adhesive. Follow the procedures below for grouted and ungrouted floors.

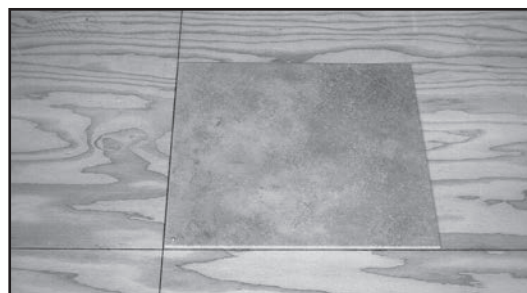


Fig. 9 - Positioning tiles.

## Grouted Floors

- The desired grout line width should be determined prior to starting the flooring installation. It is important to understand that the finished grout line will be 1/16" to 3/32" wider than the space between the tiles, since the grout will extend onto part of the radius along the top edge of the tile (Fig. 10).



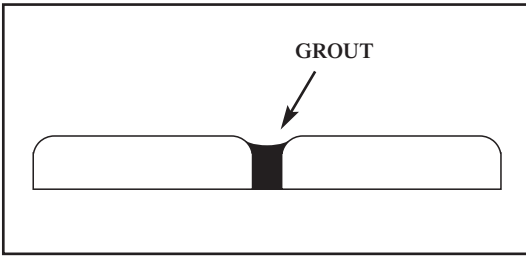


Fig. 10 - The finished grout line width is wider than the space between the tiles.

Spacer Size	1/16"	1/8"	3/16"	1/4"
Actual Grout Line Width	1/8" to 5/32"	3/16" to 7/32"	1/4" to 9/32"	5/16" to 11/32"

- Use spacers to maintain the joint width. Small pieces of DuraCeramic or 1/8" tile, cut into 1" squares, work very well as spacers, depending on the desired grout line width.
- If standard tile spacers are used, it will be necessary to remove one leg of the spacer (Fig. 11) otherwise it will interfere with positioning the tile. Stand spacers on end. Do not place tile spacers flat at the intersection of tiles; they can become bonded, making it difficult to remove them without damaging the edge of the tile.

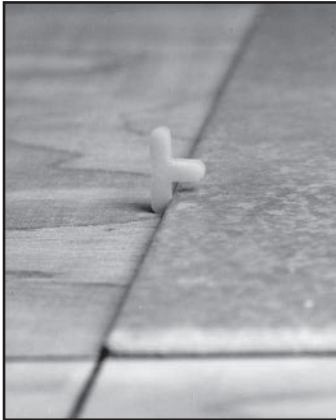


Fig. 11 - Use spacers with one leg removed.

- Position two spacers along the edge of adjacent tiles, then lay the next tile gently against the spacers without forcing it into place (Fig. 12). Continue to set the tiles in straight rows to complete each section (Fig. 13). Follow the chalk lines to keep the joints straight and make minor adjustments if necessary. Remove the spacers immediately after setting each tile.

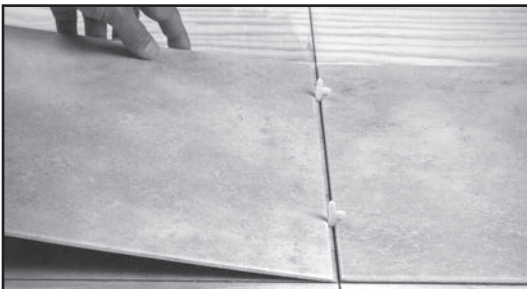


Fig. 12 - Position spacers before setting the tile.

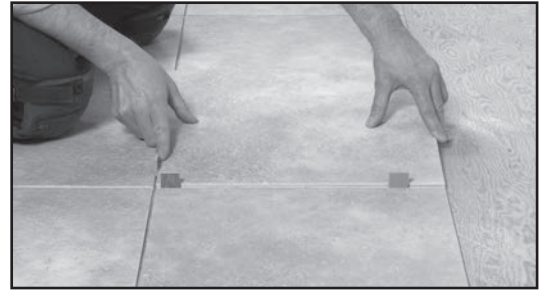


Fig. 13 - Set tile in straight rows.

### UngROUTED Floors

- When installing an ungrouted floor, continue setting the tiles in a stair-step pattern along the center and perpendicular lines (Fig. 14). Hold the tile in a low angle to the floor and position it tightly against the previously laid tile. Press it firmly into the adhesive. Continue working toward the walls to complete the first quadrant before starting the next. Check to make sure corners are lined up and adjust if necessary to prevent run-out.



Fig. 14 - Install ungrouted floors following a stair-step pattern.

### Grouted and UngROUTED Floors

- Spread the adhesive on the second half of the floor so it can dry while you are cutting and fitting the last row of tiles along the wall. Complete the second half of the room following the same procedures.
- Roll the floor slowly, in both directions, with a 100-pound, three-section roller within one hour after setting the tiles (Fig. 15). Re-roll the entire floor immediately before grouting or applying joint sealer.

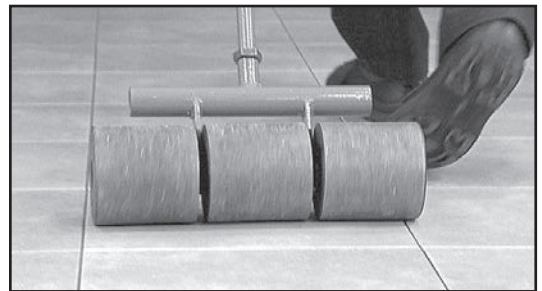


Fig. 15 - Roll the floor within one hour after setting tiles.

## CUTTING TILE TO FIT

The last row of tiles will need to be cut to fit to walls and other vertical surfaces. (Remember to subtract the grout line dimension for grouted floors). Allow a 1/8" space for expansion, between the edge of the tile and the wall.

### Straight Cuts

- Measure the distance between the last whole tile and the wall. Subtract the dimensions for the grout and expansion space. Use this dimension to mark the tile.
- Place a square or straightedge over the marks and score the surface with a sharp utility knife. Break the tile over the score mark by flexing it downward.
- Install the tile with the cut edge against the wall.

### Irregular Shapes

- Scribe the tile to fit.
- Warm the tile with a hot air heat gun. Score the surface with a sharp utility knife and break the tile over the score mark by flexing it downward or cut the tile with a coping saw.

## CUSTOM FLOOR INSTALLATIONS

### Diagonal Layouts

- Lay out the center and perpendicular lines as previously described for a square layout. Place a mark on each line an equal distance away from the center point (distance from center is arbitrary).
- Use a slightly larger arbitrary size and swing an arc on both sides of each line from points E, F, G, H (Fig. 16). Snap diagonal chalk lines at the point where the marks intersect. If done correctly, the chalk lines will intersect at the center point.

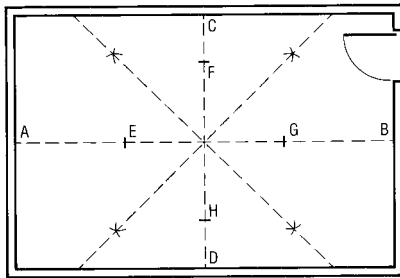


Fig. 16 - Diagonal layout.

- Make a dry layout in one quadrant along the center and perpendicular chalk lines.
- Measure the distance between the last whole tile and the wall. If the distance in either row is less than one-fourth of the diagonal dimension of the tile, adjust the starting point and snap a new chalk line (use the dimension for the tile being installed) away from the original chalk line (Fig. 17). This will provide a balanced layout with larger cut tile around the perimeter.

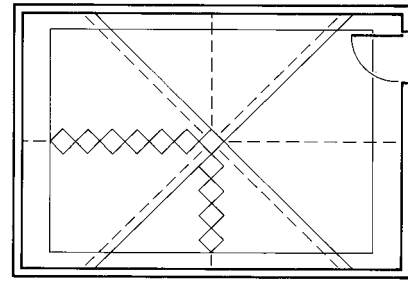


Fig. 17 - Adjusting chalk lines for a diagonal layout.

### Installing Borders and Insets

Borders can be created easily by using an accent color or different size tile on a square layout. Plan the layout to allow for a uniform border size using full size tile in the field if possible.

When using a square border with a diagonal layout, it is necessary to prepare the cut edge of the diagonal tile where it meets the border.

### Finishing Cut Edges for Borders and Insets

When installing tile with a diagonal layout and a square border, it will be necessary to prepare the cut edge of the diagonally cut tile. First cut the tile to the desired size. Then heat the cut edge and back of the tile with a heat gun to soften it. Place the tile on a flat surface and roll the edge with a steel hand roller to turn the edge downward, forming a slight radius (Fig. 18). Allow the tile to cool before installing it.



Fig. 18 - Roll the cut edge to form a slight radius.

## GROUT AND JOINT SEALER APPLICATION

### Grouting Floors

- DuraCeramic and Ovations can be grouted immediately or within 24 hours after setting the tiles.
- Tiles must be grouted using DuraCeramic Premix Grout. This exclusive premixed acrylic grout is designed for high flexural strength and adhesion to the edge of the tile. This feature provides durability to resist cracking from thermal dimensional changes and normal subfloor deflection. Traditional cement grouts are not recommended and will not perform properly.

## Grout Application

### Tools and Equipment

- Hard, green, rubber epoxy float
- Firm, square-edge sponge
- 3M® white nylon scrubbing pad
- Spray bottle of water
- Water buckets
- Rubber gloves
- Safety glasses

Soft grout floats and soft sponges are not recommended because they tend to pull the grout out of the joint, leaving it shallow.

### Surface Preparation

- Re-roll the floor just before grouting and check to make sure all edges are tightly seated in the setting adhesive. The joints must be clean and dry. Remove any adhesive smears from the surface and edges of the tile with mineral spirits before grouting.

### Application

- Always wear rubber gloves when working with grout.
- Start grouting floors at the far end of the room and work toward the entrance.
- Apply grout in small sections, up to 20 sq. ft. and cleanup immediately or before grout films over (approximately 5 minutes).
- Use the tip of a hard rubber float and fully pack the grout into the joints (Fig. 19). Hold the float in a low angle and press firmly with short strokes at a right angle to the joint.



Fig. 19 - Pack the grout into the joints.

- Extend the grout a few inches in to the next row of tile so water does not run into the unfinished joints during cleanup (Fig. 20).



Fig. 20 - Extend grout a few inches into the next row.

- Remove excess grout from the surface of the tile by holding the float at a 45° angle to the floor surface and moving diagonally across the joints.

## Initial Cleanup

Initial cleanup should be done immediately after finishing each section. The faster the grout is removed from the tile, the easier it is to clean up. The DuraCeramic installation accessory kit contains the recommended pads and sponge to make clean-up easier.

- Apply a light mist of water with the spray bottle over the grouted tiles and allow it to remain on the surface for at least 30 seconds.
- Use a slightly wet 3M white nylon pad to loosen the grout residue. Apply light pressure while moving the pad in a circular motion (Fig. 21).



Fig. 21 - Use a 3M white, nylon pad to loosen grout residue.

- Use a firm square edge sponge to remove the excess water solution. Use light pressure and wipe diagonally across the joints (Fig. 22). Do not allow the water to flow into the ungrouted joints or accumulate in finished areas.



Fig. 22 - Wipe diagonally across the joints to remove excess water.

- Then rinse the sponge in clean water and wipe diagonally again to shape joints evenly and remove any remaining grout residue. Change rinse water frequently. Clean tools with water while grout is wet. If allowed to dry, remove with ammonia.

## Final Cleanup

- Allow grout to dry for 24 hours.
- Remove any remaining grout haze with an ammonia-based window cleaner or a dilute solution of 1/4 cup household ammonia to one gallon of warm water. Apply a small amount of the solution over a small section and allow it to remain for about 30 seconds. Use a clean sponge mop or a 3M nylon white pad to loosen the grout haze. Rinse with fresh water and buff with a soft, dry terry cloth towel. Do not use grout haze removers or solvents.

**Keep all traffic off newly tiled floors for 24 hours.  
Resume normal traffic after 48 hours.**



## Joint Sealer Application

DuraCeramic DS200 Joint Sealer is designed to keep surface water and dirt from penetrating ungrouted floor joints. Do **not** use joint sealer on walls, other vertical surfaces or apply to DuraPlank II. Apply joint sealer to the tile joints only.

## Surface Preparation

- Roll the floor with a 100 lb., three-section roller just before sealing the floor and check to make sure all edges are tightly seated in the setting adhesive. The joints must be clean and dry. Remove any adhesive smears from the surface and edges of the tile with mineral spirits before sealing. Vacuum the floor to remove dust and loose particles.

## Application

- Shake the applicator bottle and allow air bubbles to dissipate before using.
- Remove the plastic cap and screw the applicator tip onto the bottle.
- Cut 1/16" off of the applicator tip to provide a small opening.
- Start in the far corner of the room and apply a uniform 1/16" bead of sealer in the tile joint. Apply the sealer to the first 2 or 3 rows, then come back immediately and seal the perpendicular (cross) joints in this area before the sealer develops a surface film (about 4 minutes). Repeat this process to seal the entire floor.
- The color of the sealer will change from white to clear when it dries.
- If the nozzle becomes clogged, use a straight pin to free the flow.
- Protect newly applied joint sealer from foot traffic and dust until it dries, (approximately 8 hours). Keep traffic to a minimum and do not wash the floor for the first 48 hours.
- Use water cleanup for wet sealer and mineral spirits for dry sealer. Caution: Mineral spirits is flammable. Read and follow label instructions.

## DURAPLANK II INSTALLATION

### General Information

- Directional arrows are printed on the back of each plank. Install planks with arrows pointing in the same direction.
- When using flooring from two or more cartons, make sure pattern and run numbers found on the carton are the same.
- Complete a dry layout in a small section of the room to confirm the best arrangement.
- Remember to offset end joints randomly in each row, avoid small cuts of less than 6" at the border, and be sure to place cut ends toward the wall.
- Maintain proper temperature at the time of installation in order to minimize thermal dimensional changes.

## Floor Layout

- Place a mark in the center of the floor at each end of the room. Snap a chalk line between the marks (Fig. 23).

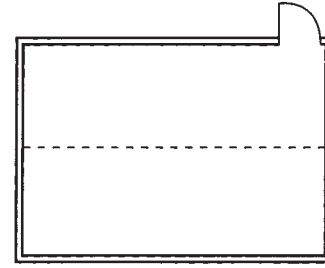


Fig. 23 - Center line

- It may be necessary to adjust the center line to avoid small border pieces at side walls. To do this, measure the distance between the center line and the side wall. Divide the measurement by the plank width (4 1/2"). If the remainder is less than half a plank width, adjust the center line one half the width of a plank in either direction (Fig. 24).

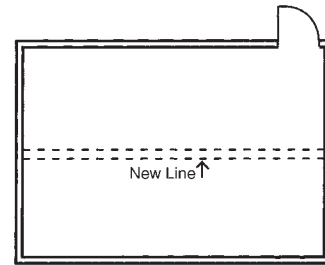


Fig. 24 - Adjust center line

## Adhesive Application

- Spread Congoleum DS100 adhesive over one-half the floor up to the center line with a notched trowel (1/16" wide, 1/32" deep, 1/32" apart).
- Allow adhesive to dry to a tack, normally 45 to 60 minutes (longer in cool or humid conditions), before installing plank. Adhesive will turn from light blue to clear when ready.
- Start installing the plank along the center line (Fig. 25).

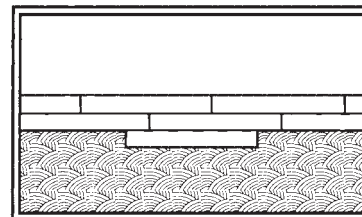


Fig.25

- Complete each row, including cut pieces at the wall before proceeding to the next row. Offset cross joints by at least 6" and position planks in a random fashion for the best appearance.
- Position each plank, tightly against the previous one, by pressing it firmly into place without sliding it.

- Complete the opposite side of the room following the same procedure. Roll the entire floor with a 100-pound, three-section roller.
- Restrict to light traffic for the first 24 hours.

### Cutting Plank to Fit

The last row of plank will need to be cut to fit to walls and other vertical surfaces.

### Straight Cuts

- Place a loose plank directly over the top of the last full plank, making sure all edges are lined up. Use a whole plank as a measuring device. Position one edge against the wall and mark the loose plank with a pencil along the opposite edge (Fig. 26).

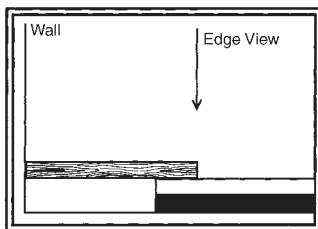


Fig. 26

- Next, place the marked plank on a cutting board. Using a carpenter square as a guide, score the pencil line deeply with a sharp knife. Break or cut plank along the score mark. **CAUTION:** Keep fingers away from knife blade to avoid injury. Install the plank with the cut edge against the wall.

### Irregular Cuts

Scribe plank to fit to irregular shapes such as door trim, pipes, etc. Gently warm the plank with a hot air heat gun and cut with a utility knife. Allow the plank to cool before installing it.

### Custom Installation

- DuraPlank II can be installed with DuraCeramic to create decorative insets and borders. Heat and roll all cut edges at joints.
- Leave a grout joint between the plank border or inset and the tile on grouted installations.
- On ungrouted installations, position the edge of the plank against the tile. Remember to heat and roll all cut edges. Apply DS200 Joint sealer to the tile joints and along the edge where the plank and tile meet. Do not seal the joints in the DuraPlank II with DS200 Joint Sealer.

## IMMEDIATELY AFTER INSTALLATION

- Install or replace base moldings and return furniture to the room by rolling or sliding them over strips of hardboard.
- Use acrylic caulking at bathtubs, showers and other wet areas to prevent water from seeping under the floor.
- Wait 48 hours before damp mopping the floor and at least 5 days before wet mopping or washing. Adhesive smears can be removed with mineral spirits.

## REPAIR

DuraCeramic, DuraPlank II and Ovations can be repaired easily if it is necessary to replace a tile or plank.

### Grouted Floors

- Use a heat gun to warm the grout along one edge of the tile. The grout will soften when heated.
- Place a straight edge over the center of the grout line and cut the grout with a sharp utility knife (Fig. 27).



Fig. 27 - Cut along the center of the grout line after heating it.

- Remove as much of the grout as possible using care to avoid cutting into the edge of the adjacent tile. Repeat this process on all four sides of the damaged tile.
- Next, heat the tile a few inches in from the corner. While the tile is warm, drive a putty knife or screwdriver into the heated area with a hammer (Fig. 28).
- Then, pry upward to release the tile from the adhesive. Continue lifting the tile as you heat it until it is completely removed.
- To install the new tile, re-apply DS100 DuraSet Adhesive over the exposed subfloor using the flat side of a trowel; it is not necessary to remove the old adhesive.
- Allow the adhesive to dry completely to a tack and then reinstall the new tile using spacers to maintain the grout line width.
- Roll the tile with a 100-pound, three-section roller.
- Re-grout the tile with DuraCeramic Grout following label instructions. Allow grout to dry for 24 hours and remove any remaining grout haze.



Fig. 28 - Drive a putty knife into the heated area and pry upward.

### UngROUTED Tile Floors

- Use a utility knife and carefully cut through the joint sealer using care to avoid cutting into the adjacent tiles.
- Follow the same procedure for Grouted Floors to remove the tile and re-adhere the replacement tile.
- Re-apply DuraCeramic DS200 Joint Sealer along all four sides of the tile to seal the joints.

### Plank Floors

- Follow the same procedure that is used for UngROUTED Floor Tiles to remove the plank and re-adhere the replacement plank.

### Congoleum UnderFlor Repair Techniques

Repair techniques are very easy on Congoleum UnderFlor installations. Use these procedures for repairs for DuraCeramic, DuraPlank II or Ovations installed over Congoleum UnderFlor.

#### • UngROUTED Repair

- Carefully score the tile or plank to be removed across the corner edge about 1 inch from the corner.
- Apply heat to the area.
- Using a putty knife and hammer, position the putty knife over the scored edge and tap it until the corner is released.
- Apply heat as you go and carefully begin to pry up the piece from the Congoleum UnderFlor using a putty knife. If you keep the tile or plank heated, it should release without damaging the UnderFlor.
- When the piece has been removed, check the adhesive tack. If it is still tacky to the touch, simply position the new piece in place.
- If the adhesive is not tacky, reapply adhesive with the flat side of the trowel and let it tack up. Then set the replacement piece into place.
- Roll the replacement piece with a roller.

#### • Grouted Repair

- Use a heat gun to warm the grout.
- Using a sharp utility knife, carefully score the joint, cutting through the grout. Make sure that you do not apply a lot of pressure because you do not want to cut into the Congoleum UnderFlor. Carefully score the tile or plank to be removed across the corner edge about 1 inch from the corner.
- Apply heat to the area.
- Using a putty knife and hammer, position the putty knife over the scored edge and tap it until the corner is released.
- Apply heat as you go and carefully begin to pry up the piece from the Congoleum UnderFlor using a utility knife. If you keep the tile or plank heated, it should release without damaging the UnderFlor.
- When the piece has been removed, check the adhesive tack. If it is still tacky to the touch, simply position the new piece in place.

- If the adhesive is not tacky, reapply adhesive with the flat side of the trowel and let it tack up. Then set the replacement piece into place.
- Roll the replacement piece with a roller.
- Re-grout the tile with DuraCeramic grout following label instructions. Allow grout to dry for 24 hours and remove any remaining grout haze.

#### • Replacing the Congoleum UnderFlor

If the Congoleum UnderFlor is cut or damaged during the repair procedure and needs to be replaced, follow these procedures.

- Using the piece that was removed as a template, cut a fill piece of Congoleum UnderFlor.
- Slide pieces of thin, clear, sticky, one-sided packaging tape centered under the cut out edges.
- *Tip: Here's a tip to make it easier to slide the tape under the edges. Cut the piece of tile/plank that was removed to make it about 1 inch shorter. Cut the thin packaging tape to that dimension. Carefully fasten the tape along the edge of the product overlapping it about 1/4 inch. Turn the piece over so that the tape is now sticky side up and slide it under the cut out edge. Firmly press down on the edge and pull the replacement piece away to release the tape.*
- Carefully lay in the new cut piece of UnderFlor pressing it firmly onto the tape.
- Apply a thin layer of DS100 adhesive to the Congoleum UnderFlor and allow it to tack up.
- Lay in the replacement flooring and roll it to set it in place.
- Roll the replacement piece with a roller to set it.
- If necessary, re-grout the tile or reapply DS200 joint sealer to finish the repair.

### PREVENTIVE CARE

- Make sure furniture legs have large surface, nonstaining floor protectors. Replace small, narrow metal or dome-shaped glides with smooth, flat glides that are in flat contact with the floor. Glides should be equipped with self-adhesive felt pads to avoid scratching the surface of the floor. The pads should be checked periodically for grit and wear and replaced when necessary.
- Heavy furniture or appliances that are not moved often should be equipped with flat, nonstaining composition furniture casters or cups of appropriate size – available square from 1 1/2" to 2 5/8" and round from 1 3/8" to 1 5/8".
- Mobile appliances and furniture should be equipped with easily swiveling casters. They should be at least 2" in diameter with nonstaining hard rubber treads at least 3/4" wide. Do not use ball-shaped casters.
- Place mats at outside entrances to prevent dirt, grit and soil from being tracked onto your floor.



**CAUTION:** *DuraCeramic, DuraPlank II and Ovations, like other types of hard-surfaced floors, can become slippery when wet. Allow time for the floor to dry after washing. Immediately wipe up wet areas from spills or wet feet. Place mats at outside entrances to prevent water, snow or ice from being tracked onto your floor. Improper polishes or finishes can also cause slipperiness.*

## REGULAR CARE

- Sweep or vacuum regularly to remove grit and sand that can abrade, dull or scratch your new floor. Do not use a vacuum with a beater brush, because it may damage the floor's surface.
- Wipe up spills promptly with a damp cloth or mop.
- Wash the floor with Congoleum Bright 'N Easy No-Rinse Cleaner or other suitable floor cleaner.

**CAUTION:** *Avoid one-step "mop and polish" products, dishwashing liquids and oil-based cleaners. These may leave a residue which can attract dirt and dull the floor's finish. Avoid cleaners that contain abrasives or solvents which may permanently damage the floor.*

- Do not use silicone sealers or penetrating sealers on the tile surface. A copolymer or acrylic grout sealer compatible with acrylic grouts may be used on the grout. Do not use a penetrating silicone sealer on the grout.
- Do not buff the floor. Do not apply polish to DuraCeramic or DuraPlank II. Floor Polish use is optional for Ovations.

## WARRANTY

### Residential DuraCeramic Limited Warranty

Congoleum provides a lifelong warranty that your floor:

- will be free of manufacturing defects
- will not wear out
- will not fade
- will not stain

**DuraCeramic and DuraPlank II featuring Scotchgard Protector provides additional warranty provisions for 15 years:**

- will be easy to clean
- will repel dirt and grime

The Residential DuraCeramic Limited Warranty covers material for the period of the warranty, and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

When installed in a light commercial application, DuraCeramic carries the Congoleum Five-Year Commercial Limited Warranty.

### Ovations Residential Limited Warranty

Ovations installed in a residential setting, is covered by a 20-year limited warranty. This means that your floor:

- will be free of manufacturing defects
- will not wear out
- will not fade
- will not stain

The 20-year Residential Limited Warranty covers material for the period of the warranty and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### Five-Year Commercial DuraCeramic Limited Warranty

The Five-Year Commercial Limited Warranty means that the floor:

- will be free of manufacturing defects
- will not discolor from mold, mildew or alkali

The Five-Year Commercial Limited Warranty covers material for the warranty period, and reasonable labor costs during year 1 if professional installation was paid for when the original floor was installed. For years 2 through 3, covers material and 50% of reasonable labor costs if professional installation was paid for when the original floor was installed. After the third year, covers material only; labor will not be paid.

The Residential and Commercial warranties apply to DuraCeramic and DuraPlank II only and exclude grout and installation services. The Residential warranty applies to Ovations only and excludes grout and installation services.

For additional information and complete warranty information contact Congoleum Corporation, Dept. C, 3500 Quakerbridge Road, P.O. Box 3127, Mercerville, NJ 08619. Our telephone number is 1-609-584-3000 and our web address is [www.congoleum.com](http://www.congoleum.com)

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Mercerville, NJ 08619-0127 • [www.congoleum.com](http://www.congoleum.com)



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# Congoleum® DuraCeramic®

## Installation Accessories

Congoleum DuraCeramic installation accessories have been developed to provide the best system available to ensure a quality installation for your customers. Contact your Congoleum distributor for more information.



### DS100 DuraSet® Adhesive

DuraSet Adhesive is the only adhesive that can be used with DuraCeramic, DuraPlank II and Ovations.

**Order Code:** DS100

**Description:** DS100 is a high strength, solvent free, low odor, pressure-sensitive adhesive that provides high, aggressive initial tack and exceptional bond strength. A properly notched, trowel blade adapter is included with each pail of adhesive.

**Use:** Use Congoleum DS100 DuraSet Adhesive for all approved floor and wall applications. Set tiles into tacky dry adhesive for floor applications. Mortar, mastic or other adhesives are not recommended. DS100 can also be used for installing other Congoleum dry back tile products. It is not recommended for use with solid vinyl tile, rubber tile or resilient sheet products.

**Advantages:** Moisture and alkali resistant, high initial tack, exceptional bond strength, solvent free and low odor.

**Coverage:** Approximately 200 to 250 sq. ft. per gallon with required trowel size, (1/16" wide x 1/32" deep x 1/32" apart).

**Working Time:** Floors: 12 hours. Dry to tack - 45 to 60 minutes under normal conditions. Walls: 10 to 20 minutes. Dry to tack - 20 to 30 minutes.

**Color:** Pale blue, turns clear when dry.

**Size:** 1 quart (12/ctn.); 1 gallon (4/ctn.); 4 gallon

**Tracers:** Dark Red

**Clean Up:** Use water for wet adhesive and mineral spirits for dry adhesive. CAUTION: Mineral spirits is flammable. Read and follow label instructions.

**Shelf Life:** One year if original container is not opened.

**Protect From Freezing:** Freeze/Thaw stable up to 5 cycles.

**Nonflammable / Noncombustible**

**CAUTION:** POTENTIAL SKIN AND EYE IRRITANT

## Congoleum UnderFlor®

UnderFlor is the all-in-one underlayment system for floating installations of Congoleum DuraCeramic, DuraPlank II, Ovations and Endurance.

**Order Code:** UF120

Available in 6 ft. wide rolls – 180 ft. long (120 sq. yds. or 1,080 sq. ft.)

**Order Code:** UFB07

Convenient job-pack sized 6 ft. wide roll – 16.7 ft. long (11.11 sq. yds. or 100 sq. ft.)

Please refer to the DuraCeramic Installation Guide for complete installation instructions.

## DuraCeramic Installation Accessory Kit

DuraCeramic Accessory Kit contains the recommended materials for grouting your DuraCeramic and Ovations floor properly.

**Order Code:** DD-01

**Kit Contents:** 1 yellow square-edged sponge  
2 3M® white nylon scrubbing pads

Please refer to the DuraCeramic Installation Guide for complete installation instructions.





## DS200™ DuraCeramic Joint Sealer

DuraCeramic Joint Sealer is designed to keep surface water and dirt from penetrating ungrouted joints.

**Order Code:** DS200

**Description:** DS200 is a high strength, flexible, water-based acrylic sealer.

**Use:** For sealing joints in ungrouted DuraCeramic floors.

**Coverage:** Approximately 320 square feet of tile with a 1/16" wide bead.

**Set-Up Time:** Approximately 8 hours

**Clean Up:** Use water for wet sealer and household ammonia and water with a 3M® white nylon pad.

**Color:** White, turns clear when dry.

**Size:** 8 ounce bottle (12/ctn.)

**Shelf Life:** One year if original container is not opened.

**Protect From Freezing:** Freeze/Thaw stable up to 5 cycles. Store at room temperature.

**Nonflammable / Noncombustible**

**CAUTION:** POTENTIAL SKIN AND EYE IRRITANT

## DuraCeramic Premixed Grout



DuraCeramic Premixed Grout is the only grout that can be used with DuraCeramic and Ovations.

**Order Code:** Use specific color code

**Description:** Premixed, sanded acrylic grout

**Use:** For use with Congoleum DuraCeramic flooring in grouting joints 1/16" to 1/4" in width. Can also be used for grouting most ceramic, quarry and porcelain floor tile.

- Advantages:**
- Premixed - Ready to Use, Easy Application
  - Flexible - Resists Cracking
  - Color Consistent - No Shading
  - Stain Resistant - Easy Care
  - Color Variety - Popular, Versatile Colors Available
  - Easy Clean Up

**Limitations:** Not for nonvitreous tiles or natural stones. Not for exterior, shower floors, or underwater use.

**Working Time:** 10 minutes

**Set-Up Time:** 16 to 24 hours

**Clean Up:** Follow label instructions. Do not use grout haze removers or solvents.

**Size:** 1 quart (6/ctn.); 1 gallon (4/ctn.)

**Shelf Life:** Two years if original container is not opened.

**Protect From Freezing:** Freeze/Thaw stable up to 5 cycles. Store at room temperature.

**Nonflammable / Noncombustible**

**WARNING:** POTENTIAL SKIN, EYE AND RESPIRATORY IRRITANT

## Grout Coverage & Colors:

Joint Width	Approximate Coverage	
	16" x 16" Tile	14" x 14" Tile
1/16" (1.6mm)	110 sq. ft./qt. (10m <sup>2</sup> )	450 sq. ft./gal. (42m <sup>2</sup> )
1/8" (3.2mm)	80 sq. ft./qt. (7.4m <sup>2</sup> )	325 sq. ft./gal. (31m <sup>2</sup> )
3/16" (4.8mm)	70 sq. ft./qt. (6.5m <sup>2</sup> )	275 sq. ft./gal. (26m <sup>2</sup> )
1/4" (6.4mm)	55 sq. ft./qt. (5m <sup>2</sup> )	225 sq. ft./gal. (21m <sup>2</sup> )

	DG-00 White
	DG-12 Mist
	DG-13 French Vanilla
	DG-14 Biscuit
	DG-15 Bone
	DG-48 Almond
	DG-39 Ivory
	DG-06 Harvest
	DG-05 Chamois
	DG-16 Malt
	DG-42 Mocha
	DG-11 Sahara Beige
	DG-07 Chocolate
	DG-93 Warm Gray
	DG-27 Silver
	DG-02 Pewter
	DG-19 Pearl Gray
	DG-09 Gray
	DG-47 Charcoal





# DuraStone® HPF®

HIGH PERFORMANCE FLOORING®

Installation and Product Specification Guide

Congoleum®  
2012



## DURASTONE HPF SAFETY

Safety for yourself and others on the job site is your responsibility as a professional flooring installer. Read and observe the following safety precautions.

- Read and follow the safety precautions and warnings printed on the label of the installation accessory products being used.  
*Obtain the appropriate MATERIAL SAFETY DATA SHEETS (MSDS) for information that may be required for products which may contain hazardous materials.*  
MSDS are available for the adhesive, joint sealer, and grout. You may obtain an MSDS for these products by calling or writing to your Congoleum distributor or contacting Congoleum at the address or phone number listed on this page.
- **Wood and concrete:** If working on wood or concrete subfloors, use proper safety precautions when sanding or grinding. Avoid creating dust. Concrete and cementitious patching compounds contain crystalline silica, which is a known carcinogen. Wood dust is classified as a nasal carcinogen in humans. Airborne wood dust may also be an explosive hazard.
- **Resilient Flooring**

### ⚠ WARNING

Do not sand, dry sweep, dry scrape, drill, saw, beadblast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphaltic “cutback” adhesive, or other adhesive. These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern the removal and disposal of material. Whenever possible, existing flooring should be left in place and the new floor installed over the top. If you must remove old flooring material, contact your retailer or Congoleum Corporation, Installation Department, P.O. Box 3127, Mercerville, NJ 08619, for a copy of recommended work practices for the removal of resilient floor coverings. These practices should be followed.

### NOTICE

Various federal, state and local government agencies have regulations covering the removal of in-place asbestos containing material. If you contemplate the removal of a resilient floor covering structure that contains (or is presumed to contain) asbestos, you must review and comply with all applicable regulations. Regulations outside the United States may vary.

Copies of the Resilient Floor Covering Institute (RFCI) Recommended Work Practices for the Removal of Resilient Floor Coverings are available from:

Congoleum Corporation	Resilient Floor Covering Institute
Installation Department	401 East Jefferson Street
P.O. Box 3127	Suite 102
Mercerville, NJ 08619	Rockville, MD 20850

Please note that the RFCI Recommended Work Practices are subject to change as new practices are incorporated. It is your responsibility to determine that the recommended work practices you use are those in effect.

### CAUTION: PAINTS CONTAINING LEAD

Certain paints may contain lead. Common renovation activities like sanding, cutting, removal of trim and demolition can create hazardous lead dust and chips which can be harmful. Beginning April 22, 2010 contractors performing renovation projects, including preparation of an area to receive floor covering, that disturb lead-based paints in pre-1978 homes, child care facilities and schools must be certified and must follow specific work

practices to prevent lead contamination. Detailed information on training and certification is available through the EPA at the following web site [www.epa.gov/lead/pubs/toolkits.htm](http://www.epa.gov/lead/pubs/toolkits.htm).

### MOLD AND MILDEW ISSUES

Prior to removing an existing floor following the RFCI Recommended Work Practices for Removal of Resilient Floor Coverings (unless state or local law requires other measures), if there are visible indications of mold or mildew or the presence of a strong musty odor in the area where resilient flooring is to be removed or installed, the source of the problem should be identified and corrected before proceeding with the flooring work. In virtually all situations, if there is a mold issue, there is or has been an excessive moisture issue. Visible signs of mold or mildew (such as discoloration) can indicate the presence of mold or mildew on the subfloor, on the underlayment, on the back of the flooring, and sometimes even on the floor surface. If mold or mildew is discovered during the removal or installation of resilient flooring, all flooring work should stop until the mold or mildew problem (and any related moisture problem) has been addressed.

In areas where flooding has occurred, it is recommended that damaged flooring be removed following the RFCI Recommended Work Practices for Removal of Resilient Floor Coverings (unless state or local law requires other measures). Any underlayment and subfloor should be allowed to thoroughly dry and, if necessary, cleaned, disinfected, and otherwise remediate consistent with the U.S. Environmental Protection Agency (EPA) guidelines referenced below. Any structural damage or signs of mold or mildew must be corrected before reinstalling resilient flooring. This may include, for example, replacement of the underlayment and/or subfloor.

For water damage caused by leaking fixtures, the source of the moisture leak must be located and corrected. Any structural damage must be repaired and any signs of mold or residual moisture must be addressed before replacing the resilient flooring in the affected area.

To deal with mold and mildew issues, you should refer to the EPA guidelines that address mold and mildew. Depending on the mold and mildew condition present, those remediation options range from clean up measures using gloves and biocide to hiring a professional mold and mildew remediation contractor to address the condition. Remediation measures may require structural repairs such as replacing the underlayment and/or subfloor contaminated with mold and mildew as a result of prolonged exposure to moisture.

The EPA mold guidelines are contained in two publications “A Brief Guide To Mold, Moisture and Your Home” (EPA 402-K-02-003) and “Mold Remediation in Schools and Commercial Buildings” (EPA 402-K-01-001). Appendix B of the “Mold Remediation in Schools and Commercial Buildings” publication describes potential health effects from exposure to mold, such as allergic and asthma reactions and irritation to eyes, skin, nose and throat. These publications can be located on EPA’s website at [www.epa.gov/iaq/molds/](http://www.epa.gov/iaq/molds/)

- Keep work areas free of obstructions, such as tools and scrap or loose tiles, and dispose of scrap materials promptly and properly to eliminate a slip or trip hazard.
- Always use the correct lifting practices.
- Use heavy-duty extension cords and keep them in good repair.
- If using minerals spirits as suggested in this guide, **CAUTION: Minerals spirits is a flammable material. Read and follow cautionary instructions on the labels of these products.**
- Wear protective equipment when appropriate such as safety glasses, respirators, NIOSH-designated dust masks, kneepads, gloves, etc.

## DURASTONE HPF

DuraStone is an upscale 16"x16" designer-size tile with remarkable styling and surface texture that captures the beauty of nature. Congoleum uses a revolutionary new technology to suspend nano-composite nylon particles and aluminum oxide in the surface glaze. This process provides excellent performance properties, superior durability and makes it virtually stainproof.

### PRODUCT DATA AND INFORMATION

Size (nominal)	16" x 16" (40.6 cm x 40.6 cm)
Gauge (nominal)	.160" (4.1 mm)
Packaging per Carton	10 pcs. (17.77 sq. ft.; 1.65 m <sup>2</sup> )
Weight per Carton	34 lbs. (15.4 kg.)
NBS Smoke Density	Passes
Critical Radiant Flux (ASTM E648 > 0.45w/cm <sup>2</sup> )	Passes
Motor Vehicle FMVSS 302	Passes
Static Load Limit	250 psi
Slip Resistance	Meets ADA Recommendations
PEI Rating	3-4
Installation Method	Full Spread
Subfloor Application	On, above, or below-grade level
Adhesive	DS100 DuraSet Adhesive
Adhesive Sizes	1 quart; 1 gallon and 4 gallon
Adhesive Spread Rate	200 to 250 sq. ft./gallon
Recommended Trowel	1/16" w x 1/32" d x 1/32" apart
Suggested Usage	Residential and Light Commercial
Warranty	Residential - Lifelong; Commercial - 5 Year

### RECOMMENDED USE

DuraStone is recommended for residential and light commercial use in dry, interior heated areas.

#### Residential

DuraStone is recommended for use in all areas of the home.

#### Light Commercial

DuraStone is recommended for use in areas receiving light commercial foot traffic.

DuraStone is not recommended for installation in exterior or unheated areas, wet areas, commercial kitchens or food processing areas or on ramps. For information on other specific applications, contact the Congoleum Installation and Technical Department at 609-584-3888.

Areas receiving more concentrated traffic and/or routine spills should be protected with floor polish and a regular maintenance schedule should be followed. (See Care and Maintenance).

### GENERAL INFORMATION

Install DuraStone with Congoleum DS100 DuraSet Adhesive.

Proper storage and handling is critical to ensure tiles do not become distorted prior to installation. Always store and transport cartons on a flat surface stacked no more than 10 cartons high.

The importance of proper temperature at the time of installation cannot be over-emphasized. Do not install at a

temperature higher than 85°F (29°C). The subfloor, all flooring material, and adhesive must be conditioned at a constant temperature between 65°F (18°C) and 85°F (29°C) for 48 hours prior to, during, and 48 hours after installation. Thereafter, maintain a room temperature between 55°F (13°C) and 100°F (38°C). **NOTE: Exposure to extreme temperature variations can cause thermal expansion or contraction resulting in edge curl or gaps between tile.**

When installing tile from two or more cartons, check the code on the side of the cartons to ensure that the pattern and shade numbers are the same. Mix tiles from several cartons to achieve the best appearance. Arrows are printed on the back of each tile. Install tile with arrows pointed in the same direction unless specifically instructed otherwise on a separate insert found in the carton. Perimeter grout lines will vary in width from tile to tile. This variation has been designed into the floor to create a more realistic visual of a hand-set tile.

### TOOLS AND MATERIALS

- Congoleum DS100 DuraSet Adhesive
- Notched trowel (1/16" wide, 1/32" deep, 1/32" apart)
- 100-pound, three-section, steel roller
- 18" tile cutter - optional

### SUBFLOOR REQUIREMENTS

DuraStone may be installed over dry concrete on all grade levels, suspended wood floors and qualifying old, smooth, resilient floors that are fully adhered and securely bonded.

**Deviations in the flatness of the subfloor cannot exceed 1/16" in 1' or 3/16" in 10'.** This is particularly important when installing over a cold concrete subfloor since the tile will be stiffer at low temperatures.

All surface imperfections should be leveled with a portland cement-based patching compound or underlayment. The use of gypsum-based latex patching compound or underlayment is not recommended by Congoleum and may result in bond failure.

Concrete subfloors must be clean, dry, and free of paint, efflorescence, curing, hardening and parting compounds, sealers, and old adhesive residue. Congoleum does not recommend the installation of DuraStone where excessive moisture, vapor emissions, hydrostatic pressure or alkali conditions exist. Installation failures resulting from these conditions are not warranted by Congoleum.

Wood subfloors must be structurally sound and free of movement with at least 18" of well-ventilated air space below. Single layer floors and stripwood floors must be covered with a 1/4" or heavier underlayment to achieve a total subfloor thickness of 1". Single layer stripwood floors should be covered with a minimum 3/8" underlayment.

Approved underlayments include APA Rated Underlayment grade plywood (specify "Fully Sanded Face"), APA C-C Plugged Exterior grade plywood. Other underlayments panels may be suitable for use. Consult your supplier for recommendations and warranty information prior to performing the installation. Fasten underlayment with 1 1/4" ring-shank nails or approved divergent staples, spaced as follows:

Underlayment Thickness	Interior	Along Edges
1/4"	4"	2"
3/8" or heavier	6"	3"

Sand underlayment joints level and fill gaps wider than 1/32".



Subfloor Construction/ Materials	Comments	Notes
<b>Wood</b>	<ul style="list-style-type: none"> <li>• Double layer construction over joist or trusses on 16" centers with at least 18" of well-ventilated air space.</li> <li>• Install 1/4" or heavier underlayment over strip wood, single layer wood floors and APA-rated Sturd-I-Floor Systems.</li> </ul>	Subfloor must be solid and free of movement.
<b>Underlayment</b>	<ul style="list-style-type: none"> <li>• APA underlayment grade plywood with fully sanded face.</li> <li>• Hardwood and veneer underlayment panels such as Multiply, HU 845 Tec-Ply and Ulay.</li> <li>• Lauan plywood, particleboard, oriented strand board and chip-board create a higher risk for installation and adhesive failure and are not recommended unless warranted by the panel manufacturer or supplier.</li> <li>• Not recommended over cement backer-boards, glass mesh mortar units or acoustical cork.</li> </ul>	Install according to panel manufacturers' written instructions.
<b>Concrete</b>	<ul style="list-style-type: none"> <li>• On, above and below-grade level.</li> <li>• Radiant-heated floors not to exceed 85°F (29°C).</li> </ul>	Moisture vapor emissions not to exceed 5 pounds.
<b>Light Weight Concrete (Residential Application only)</b>	<ul style="list-style-type: none"> <li>• Minimum 100-pound density</li> <li>• Installation over gypsum-based acoustical toppings is not recommended.</li> </ul>	Confirm adequate adhesion to substrate.
<b>Resilient Floor (See WARNING in next column)</b>	<ul style="list-style-type: none"> <li>• Smooth, non-cushioned sheet flooring and vinyl composition tile.</li> <li>• Embossed non-cushioned and thin cushioned vinyl flooring can be prepared with embossing leveler in residential applications.</li> <li>• Do not install over soft, heavy cushioned floors, self-adhering tile or tile installed below grade level.</li> </ul>	Must be single layer, fully adhered and well bonded. Remove wax or polish.
<b>Ceramic and Stone</b>	<ul style="list-style-type: none"> <li>• Ceramic, marble and granite.</li> </ul>	Fill grout joints level.
<b>Carpet/ Laminate</b>	<ul style="list-style-type: none"> <li>• Not recommended.</li> </ul>	Remove
<b>Patching Compound</b>	<ul style="list-style-type: none"> <li>• Portland cement-based compound such as Ardex Feather Finish, Mapei Plani-Patch or equal.</li> <li>• Gypsum-based patching compounds are not recommended.</li> </ul>	Refer to manufacturers' instructions for use and applications.

## EXISTING RESILIENT FLOORS

Whenever possible, it is desirable to leave the old flooring in place with the last alternative being removal (See Warning on page 1). Suitable old, resilient floors should be smooth, non-cushioned, single layer, fully adhered, securely bonded, and in good condition. All floor polish, wax, and finish should be stripped with a liquid stripping solution following label instructions.

In residential applications, DuraStone can be installed over embossed non-cushioned and thin cushioned vinyl flooring

that is covered with wood underlayment (provided the sub-floor is suspended wood) or prepared with a latex-modified portland cement-based embossing leveler.

Do not install over soft, heavy cushioned floors, tile installed on concrete below grade level, or existing self-adhered flooring.

## FLOOR LAYOUT

To start the layout, place a mark in the center of the floor at each end of the room. Then connect the marks by snapping a chalk line down the center of the room.

Next divide the room into equal quadrants. To do this, locate the center point of the chalk line and snap a perpendicular line, using the 3-4-5 method or a carpenter square as a guide (Figure 1).

Make a dry layout in one quadrant along the center and perpendicular chalk lines. Measure the distance between the last whole tile and the wall. If the distance in either row is less than half a tile, adjust the starting point and snap a new chalk line one-half the dimension of a full tile (8") away from the original chalk line (Figure 2). This will provide a balanced layout with larger cut tile around the perimeter.

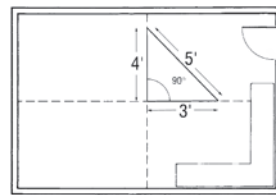


Figure 1 - Room layout.

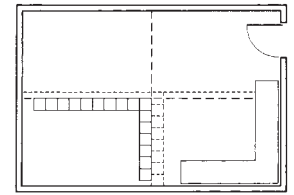


Figure 2 -Adjusting lines.

It is important to avoid positioning tile joints directly over underlayment joints or seams in existing floor coverings. If this should occur when laying out the installation, reposition the chalk lines.

## ADHESIVE APPLICATION

Congoleum DS100 DuraSet Adhesive applied with a properly notched adhesive trowel is required for installing DuraStone over all approved subfloor surfaces.

The use of a high-quality, floor covering latex primer that is specifically designed to improve adhesion may be used over wood, porous concrete and patching compounds. The primer will help seal the surface and tie down dust that can interfere with the adhesive bond. Do not use paint primers.

**The recommended trowel notch size, 1/16" wide, 1/32" deep, 1/32" apart must be used** (Figure 3). Excessive amounts of adhesive applied with an improper trowel will delay drying time and can result in exudation (oozing up) of adhesive between tile in service. Insufficient coverage (normally caused by worn notches on adhesive trowels) will prevent proper adhesion or bond to the tile. When trowel notches become worn (occurs more frequently on concrete subfloors), they should be re-notched to the recommended size or replaced.



Figure 3 -Notched trowel.

Spread the adhesive over one-half of the subfloor and a few inches beyond the chalk line with a notched trowel.

**Allow DS100 Adhesive to dry completely to a tack** (approximately 45 to 60 minutes) before installing tile. Drying

time can vary depending on temperature, humidity and substrate conditions. When tacky dry, the adhesive will turn from light blue to clear. The final test is to place a finger into the tacky dry, clear adhesive and apply firm pressure. If the adhesive does not transfer to the finger when removed, it is ready for installation. Do not use fans to accelerate adhesive drying time. Fan drying will cause the top surface of the adhesive to dry prematurely, trapping residual moisture in and preventing the adhesive from fully curing. Tiles set into DS100 before it has completely dried may result in tile shifting and gapping. **Caution:** DS100 Adhesive is an eye and skin irritant. Provide adequate ventilation.

## INSTALLATION

Complete one-half of the room at a time. Carefully position the first tile into the adhesive at the intersection of the chalk lines (Figure 4).

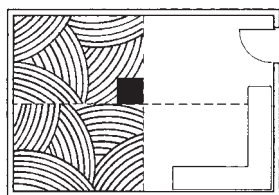


Figure 4 - Positioning tile.

Continue working toward the walls. Position the tiles at a low angle into adhesive tightly against previous tiles with corners lined up. Press tiles firmly without sliding. Spread adhesive on the second half of the floor so it can dry while you are cutting and fitting the last row of tiles along the wall.

## CUTTING DURASTONE TO FIT

The last row of tiles will need to be cut to fit to walls and other vertical surfaces.

- **Straight Cuts** - Place loose tiles directly over the top of the last full row of tile making sure all edges are lined up. Using a whole tile as a measuring device, position one edge against the wall and mark the loose tile with a pencil along the opposite edge (Figure 5).

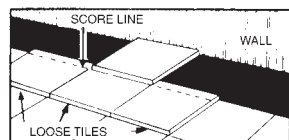


Figure 5 - Straight cuts.

Next, place the marked tile on a cutting board. Using a carpenter square as a guide, score the pencil line deeply with a sharp knife. Break or cut tile along the score mark. **Caution:** Keep fingers away from knife blade to avoid injury. Install the tile with cut edge against the wall. **Note:** If a tile cutter is used for DuraStone, it must be able to accommodate a 16"x 16" tile.

- **Irregular Shapes** - Make a pattern or template out of heavy paper or cardboard to fit to irregular shapes such as door trim, pipes, etc. (Figure 6). Trace the pattern onto the tile and cut

with a utility knife or coping saw.

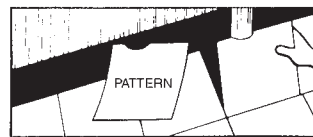


Figure 6 - Irregular cuts.

## IMMEDIATELY AFTER INSTALLATION

Roll the entire floor with a 100 to 150-pound, three-section, steel roller. Roll the floor across tile joints in both directions.

Tile installed with DS100 Adhesive can be walked on immediately. Wait 48 hours before washing. Adhesive smears can be removed with mineral spirits or charcoal lighter fluid.

**Caution:** Solvents are hazardous materials and should be used with caution in accordance with the manufacturer's label instructions.

Replace the base moldings and return appliances and furniture to the room by rolling or sliding it over strips of hardboard.

## CARE AND MAINTENANCE

DuraStone is extremely durable and easy to clean. The naturally textured surface glaze resists scratching, scuffing and staining.

## GENERAL CARE AND MAINTENANCE

- Protect against indentations and furniture damage by making sure furniture legs have large surface floor protectors.
- Mobile appliances and furniture should be equipped with easily swiveling casters.
- Place mats at outside entrances to prevent dirt, grit, sand, water, snow, and ice from being tracked onto the floor.
- Vacuum or sweep the floor regularly.
- Wipe up spills promptly with a damp cloth or mop.
- Wash the floor with Congoleum Bright 'N Easy No-Rinse Cleaner or other suitable floor cleaner.
- Sealers and buffing are not required or recommended.

## LIGHT COMMERCIAL MAINTENANCE

Additional protection is recommended in areas of high wear. In addition to the items listed above, the following applies to light commercial applications:

- Use plastic floor protectors under desk chairs to protect the floor.
- Use fatigue mats at hair salon workstations and similar high wear areas.
- The use of floor polish is optional. Areas that receive a high concentration of traffic or more frequent spills can be maintained with Congoleum Bright 'N Easy Satin-Gloss Floor Polish (30076) for added protection.

## Do not buff the floor.

For additional care and maintenance information, contact Congoleum's Consumer Affairs Department at 609-584-3000.

## WARRANTY

### RESIDENTIAL DURASTONE HPF LIFELONG LIMITED WARRANTY

The Lifelong Limited Warranty means that the floor:

- will be free of manufacturing defects
- will not wear out
- will not fade
- will not stain

The Residential DuraStone HPF Limited Warranty covers materials for the period of the warranty, and reasonable labor costs for five years if professional installation was paid for when the original floor was installed.

### FIVE-YEAR COMMERCIAL DURASTONE LIMITED WARRANTY

The Five-Year Commercial Limited Warranty means that the floor:

- will be free of manufacturing defects
- will not discolor from mold, mildew or alkali

The Five-Year Commercial Limited Warranty covers material for the warranty period, and reasonable labor costs during year 1 if professional installation was paid for when the original floor was installed. For years 2 through 3, covers material and 50% of reasonable labor costs if professional installation was paid for when the original floor was installed. After the third year, covers material only - labor will not be paid.

Contact Congoleum's Consumer Affairs Department at 609-584-3000 for complete warranty details.



P.O. Box 3127  
Mercerville, NJ 08619  
609-584-3000  
[www.congoleum.com](http://www.congoleum.com)

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# UNDERflor®

Installation and Product Specification Guide



*Congoleum®*  
2012



# UNDERflor®

The all-in-one underlayment system for Floating Installations of Congoleum DuraCeramic®, DURAPLANK® II, Ovations® and Endurance® Plank

**Here's why Congoleum UnderFlor is perfect for your next installation.**

**Congoleum UnderFlor provides:**

- A floating system for installations over:
  - Plywood
  - Oriented Strand Board (OSB)
  - Particle Board
  - Concrete
  - Gypsum Toppings
  - Existing Floors
    - Resilient
    - Hardwood
  - Old Adhesive Residue and Paint
- An economical alternative to costly underlayments
- A time-saving installation system, no down time, no special tools

#### Order Codes:

**UF120** - Available in 6' wide rolls – 180 ft. long (120 sq. yds. or 1,080 sq. ft.)

**UFB07** - Convenient job-pack sized 6' wide roll – 16.7 ft. long (11.11 sq. yds. or 100 sq. ft.)

## TIPS FOR A SUCCESSFUL INSTALLATION

### Recommended Use

- Residential applications on all grade levels
- Interior use in dry, heated areas
- For installation of DuraCeramic, DuraPlank II, Ovations and Endurance Plank.

### Subfloor and Preparation

All subfloors should be clean, smooth and dry.

#### Install over:

- Double layer wood construction over joists or trusses on up to 19.2" on center
- Single layer APA rated Sturd-I-Floor T&G Panels, minimum 23/32" over joists or trusses up to 19.2" on center
- APA underlayment grade plywood
- Oriented strand board (OSB)
- NPA rated particleboard
- On, above and below grade concrete
- Gypsum topping and lightweight concrete
- Single layer, fully adhered resilient flooring
- Old adhesive residue and paint

### General Information

Use DS100 adhesive only, for installing DuraCeramic, DuraPlank II, Ovations and Endurance Plank products. All Congoleum UnderFlor underlayment and finished flooring must be installed with a 1/8" to 1/4" space around the perimeter of the room to allow for expansion and contraction.

### UnderFlor Installation

- Install Congoleum UnderFlor with the vinyl (shiny) side down just prior to installation (Fig. 1).
- Congoleum UnderFlor must be positioned in the room with seams at least 4" away from joints in the finished flooring.
- Unroll the first sheet and trim to fit allowing 1/8" to 1/4" space between the edge of the sheet and the wall (Fig. 2). Unroll the second sheet and position it with the seam edge butted lightly up to the first sheet.
- To secure sheets, we recommend 2" wide clear, thin packaging tape (Fig. 3). Apply the single faced tape on the surface, centered over the seam.
- Install floor using DS100 adhesive following recommended installation instructions (Fig. 4).

### Trim and Molding

All finish trim and transition moldings must be installed so that they do not bind or restrict the finished flooring from moving when expansion and contractions occurs during seasonal changes. For detailed installation instructions on Congoleum UnderFlor, please refer to the DuraCeramic Installation and Technical Guide (2012), M34960212S or visit [www.congoleum.com](http://www.congoleum.com).



Fig. 1. Unroll with vinyl side down.



Fig. 2. Cut leaving 1/8" to 1/4" space at perimeter.

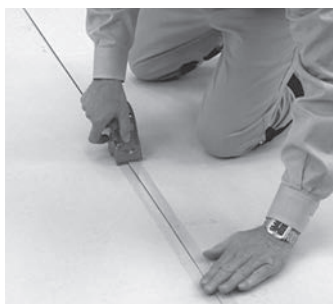


Fig. 3. Butt edges and apply clear, thin packaging tape.



Fig. 4. Apply adhesive and install product.

## Subfloor Information

Subfloor Surface	When Installed over UnderFlor	When Directly Adhered to Subfloor
Suspended Wood subfloor over joist or trusses up to 19.2" OC	<ul style="list-style-type: none"> <li>• Single layer Sturd-I-Floor rated panel 23/32" or heavier</li> <li>• Double layer construction, minimum 1" thick</li> </ul>	Double layer construction, minimum 1" thick with suitable underlayment panel.
Wood Underlayments	Plywood and other hardwood veneer panels, oriented strand board, NPA rated particle board	APA rated Underlayment grade plywood and other underlayment grade veneer panels. Do not install directly adhered over oriented strand board or particle board.
Concrete, on, above and below grade	With vapor emissions up to 5 pounds.	With vapor emissions up to 3 pounds.
Lightweight Concrete and Gypsum Topping with a minimum 2000 psi compression rating	Preferred Method	Must be smooth, dry and in sound condition. Repair all cracks and damaged areas. Seal with a sealer/primer recommended by the topping manufacturer. A bond test is recommended. Do not install over powdery surfaces.
Radiant Heated Floors	Preferred Method	Gapping at end joints can occur with temperature fluctuations.
	The temperature of the floor should be limited to 70°F (21°C) for 24 hours before, during and 48 hours after installation. There after the maximum floor temperature should not exceed 85°F (29°C).	
Existing Resilient Flooring and Tile	Must be single layer, fully adhered and in good condition. Do not install over heavy cushioned or cushioned backed flooring or tile installed below grade.	Must be single layer, fully adhered, and in good condition. Do not install over heavy cushioned or cushioned backed flooring, tile installed below grade or self adhering tile. Remove wax or polish and level embossed areas with an embossing leveler.
Ceramic, Marble and Granite	Tile must be well bonded. Grind high spots and fill low areas to a smooth surface with a latex modified portland cement underlayment.	

### Preparation of the Subfloor and Installation of UnderFlor:

- The subfloor surface must be smooth and flat.
- Sand any rough surfaces and/or uneven joints.
- Fill any cracks in concrete or panel joints wider than 1/8" with patching compound.
- Keep UnderFlor rolled around a tube with the vinyl side facing out until installation.
- Roll out the first sheet of UnderFlor with the vinyl side down (Fig. 1).
- Make sure the seams in the UnderFlor run perpendicular (at right angle) to the long dimension of the planks.
- Trim the sheet to fit the room leaving 1/4" between the edge of the UnderFlor and the wall (Fig. 2).
- Unroll the next sheet and butt the edge lightly against the first sheet.
- Fasten the sheets using a 2" wide clear packaging tape. (Fig. 3)
- Do not use thick tapes such as masking tape or duct tape as they can telegraph through the finished flooring.
- Apply the tape centered over the seam and make sure it lays flat by rolling it with a hand seam roller.
- Mark starting lines on the UnderFlor.

### Installation of Endurance Plank:

- Apply Congoleum AD-32 adhesive using the trowel blade adapter provided or a 1/16"x 1/32" x 1/32" trowel (Fig. 4).

- After applying the adhesive, if you see some slight growth bubbles in the UnderFlor, don't worry, this can happen and will not affect the finished flooring.
- When the adhesive has dried clear and tacky (approximately 30-40 minutes), you can begin to install the Endurance Plank by following the proper installation recommendations.
- Make sure the staggered end joints fall at least 2" away from the UnderFlor seams.
- Be sure to leave a gap of 1/4" around the perimeter of the room.
- When you install the trim and transition moldings, be sure they don't restrict or bind the finished flooring.

### Endurance Plank Repairs:

Repairs are very simple. To replace a damaged plank:

- Warm the plank with a heat gun.
- Use a sharp utility knife to cut through a corner of the damaged plank taking care not to cut into the UnderFlor.
- Lift the end of the plank and continue heating.
- As you provide sufficient heat, the plank will release from the adhesive.
- Lift out the entire plank and warm the exposed adhesive.
- Install the new plank and set it firmly into place with a hand roller.

**Congoleum Endurance Plank and UnderFlor**  
**A Quick, Easy and Affordable Floating Resilient Plank System**



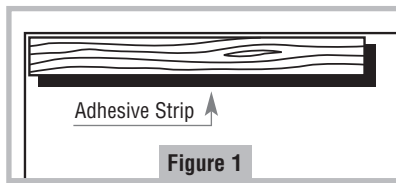


Figure 1

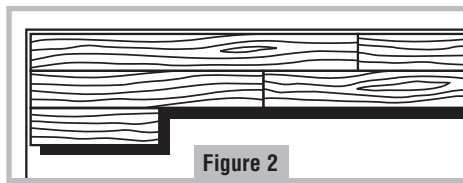


Figure 2

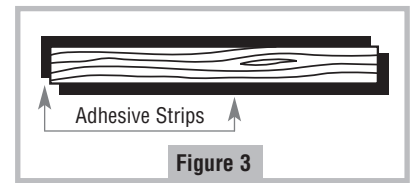


Figure 3

## CONNECTIONS INSTALLATION INSTRUCTIONS

Connections Plank is a floating flooring system that utilizes an attached adhesive strip to connect the planks together. No additional adhesive is required. You simply connect the planks together by pressing the edges into the adhesive strip. The planks bond to each other, not to the floor.

### General Information

- Connections is recommended for installation in enclosed heated areas where HVAC has been in operation for at least 30 days. Do not install Connections on ramps or in rooms with sloping floors or floor drains.
- Always handle, store and transport Connections carefully to prevent distortions. Store and transport cartons on a flat surface in neat stacks no more than 10 cartons high. Store cartons flat, never on the end or side.
- The subfloor and all flooring material must be conditioned at a constant temperature between 65°F (18°C) and 85°F (29°C) for 48 hours prior to, during and 48 hours after installation. Thereafter, maintain a room temperature between 55°F (13°C) and 85°F (29°C).
- When using flooring from two or more cartons, make sure pattern and run numbers found on the carton are the same. This information is stenciled on the outside of each carton.
- Connections is a floating floor. Allow a 1/8" space for expansion between the planks and all vertical surfaces. Cover the space with trim. Do not install base cabinets on top of Connections.
- Do not install Connections in a dusty environment or remove the paper liner from the adhesive strip until ready to be covered with a plank.

### Tools and Materials

- 100-pound, 3-section, roller
- Hand roller
- Chalk line
- Carpenter square
- Utility knife (tile cutter optional)
- Cutting board
- Tape measure

### Preparing the Area

- Move all furniture, appliances, and fixtures from the room.
- Remove all binding strips or other restrictive molding from doorways, walls, etc.
- Undercut wood door casing so that the flooring can be slid under it.

### Subfloor Requirements

Connections Plank can be installed directly over a variety of subfloor surfaces. All subfloor surfaces must be clean, dry, smooth and free of movement. In remodel applications remove all adhesive

residue or other substances that can prevent the floor from floating. All protruding surface imperfections should be leveled. Set nails and fasteners 1/32" below the surface. Fill depressions wider than 1/8" with a portland cement-based latex patching compound.

**⚠ WARNING:** DO NOT SAND, DRY SWEEP, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUT-BACK" ADHESIVE, OR OTHER ADHESIVE.

These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Various federal, state, and local government agencies have regulations governing the removal of in-place asbestos containing material. If you are considering the removal of a resilient floor covering structure that contains or is presumed to contain asbestos, you must review and comply with all applicable regulations. Regulations outside the United States may vary.

Copies of the Resilient Floor Covering Institute Recommended Work Practices for the Removal of Resilient Floor Coverings are available from:

**Resilient Floor Covering Institute**  
401 East Jefferson Street • Suite 102  
Rockville, MD 20850 • [www.rfci.com](http://www.rfci.com)

Subfloor Surface	Specification
Wood subfloor suspended over joist or trusses up to 19.2" OC	<ul style="list-style-type: none"> <li>• Single layer Sturd-I-Floor rated panel 23/32" or heavier</li> <li>• Double layer construction, minimum 1" thick</li> <li>• Minimum of 18" of well ventilated air space below structural supports</li> </ul>
Wood Underlayments	Plywood, other hardwood veneer panels, particleboard, OSB - Sand joints smooth and set fasteners 1/32" below the surface. Do not install over weathered or rough underlayment.
Concrete, on, above and below grade	With vapor emissions 5 pounds or less. Do not install over expansion joints.
Lightweight Concrete and Gypsum Topping	Minimum 2000 psi compression rating. Must be smooth, dry and in sound condition. Repair all cracks and damaged areas.
Radiant Heated Floors	The temperature of the floor should be limited to 70°F (21°C) for 24 hours before, during and 48 hours after installation. There after the maximum floor temperature should not exceed 85°F(29°C).
Existing Resilient Flooring and Tile Note: Refer to warning statement above.	Must be single layer, fully adhered and in good condition. Do not install over heavy cushioned or cushioned backed flooring or tile installed below grade. Heavily embossed floors should be leveled with embossing leveler.
Ceramic, Marble and Terrazzo	Must be well bonded. Grind high spots and fill low areas to a smooth surface with a latex modified portland cement underlayment to achieve a flat surface.

**Layout** – Determine the direction that planks will be installed in the room. Normally the long direction of the plank will be installed parallel with the long direction of the room. To balance the flooring in the room, mark the center of the floor. Measure the distance from the mark to the wall. Divide this measurement by the plank width (6"). If the remainder is less than half a plank width (3"), then add 3" to the remainder to determine the width of the plank in the first row.

**Example:** Room width 12'-2" or 6'-1" on each side of the center mark 6'-1" (73") divided by 6" equal 12 with a remainder of 1". Since 1" is less than one half of the plank width, add 3" to the remainder for a starting plank width of 4".

**Note:** Check to make sure that the joints in the finished floor offset joints in the underlayment by at least 2". Adjust the layout if necessary.

**Installation** – Note: The first row of planks can be secured to the subfloor with a strip of thin double face tape to prevent it from moving during installation. Use a string or chalk line to make sure the first row is straight before the planks are secured to the tape.

Lay the first row of planks along the wall starting in the left corner with the adhesive strips facing out away from the walls (Fig. 1). Allow a 1/8" space between the edge of the planks and the wall, base cabinets and any other vertical surfaces. Remove the paper liner from the adhesive strip at the end of the first plank and secure the end of the next plank by pressing down on the planks.

**Caution:** The paper liner is slippery. Place it into the trash immediately after it is removed from the adhesive strip to avoid a slip hazard. Protect the exposed adhesive strip from dust and foot traffic. Do not remove the paper liner until you are ready to cover the adhesive strip with another plank. Continue to install the planks in the first row including the cut piece at the end of the row.

Lay the second row starting in the left corner with a plank cut 2/3 the length or about 32" (Fig. 2). Place the cut end against the wall. The piece you cut off can be used at the other end of the row if the layout permits. Remove the paper liner from the installed plank in the first row and place it in the trash. Lay the plank by holding one end up while slowly positioning the other end and edge into the adhesive strip against the previous laid planks to achieve a tight joint. Do not slide planks together. If adjustments are required, lift the plank off the adhesive strip and reposition it. Complete the second row including the cut piece at the end of the row. Use a hand roller to secure the plank in the adhesive strip and level the joints.

Start the third row with a plank cut to 1/3 the length; about 16" (Fig. 2). There after maintain a random layout with end joints staggered by at least 8". Always put the cut end against the wall. Plan the layout to avoid using small pieces (less than 6") at the ends of the row.

Once you have completed 3 or 4 rows, it is easier to work from on top of the installed plank. Continue to install the planks by laying each plank in place without sliding it. Make sure the joints are laid together tight; if necessary, lift the plank and re-position it to close any open joints.

After completing the installation roll the entire floor in both directions with a 100 pound three section roller. Use a hand roller to secure the edges and ends in the adhesive strip and level the joints.

**Cutting** – Cut planks with a sharp utility knife and straight edge or square.

Measure the space between the last whole plank and the wall and subtract 1/8". Mark the plank and place it over a cutting board. Carefully score the top surface of the plank, release liner and adhesive strip where it will be cut. Bend the plank at the score mark until it breaks. Cut the tape on the bottom side at the score mark to separate the pieces. Install the plank with the cut end against the wall. For more intricate cuts make a paper template of the area and transfer it to the plank.

**Caution:** Use extreme caution when using a knife to avoid injury. Always keep fingers and hands away from the cutting path. Keep children and pets away from the work area.

**Intricate Room Layouts**– Some installations with multiple rooms, closets, intricate layouts or alcoves may **require changing the direction of the planks**. This can easily be done in one of two ways. Use CF910 Film (3" wide x 9' lineal feet per roll) and cut the exact amount of film that you need. Or remove the adhesive strips from a plank and place them along the edge and end of the plank where the direction will change. Carefully position the adhesive strip centered along the edge and end of the plank without overlapping the strips. When done correctly, the plank(s) will have an adhesive strip on both edges and ends. Continue to install planks in the opposite direction as required.

### Bathrooms

Only when the bathroom is installed as a separate room can the toilet be set on the planks. Always fill the gap around the entire perimeter and at fixtures with a high quality acrylic or silicone caulking to prevent water from seeping under the floor. Caulking should be used even when the perimeter will be covered with trim.

### Stairs

Connections can be installed fully adhered on stairs with Congoleum DS 100 Adhesive. Simply remove the adhesive strip from the back of the plank and trim the planks to fit. Apply the adhesive with the trowel blade adaptor provided and allow the adhesive to dry to a tack prior to installation. Cover the stair nose with a vinyl, rubber or metal stair nose molding.

### Repairs

Small chips or gouges can often be repaired by filling the damaged area with a matching wax stick that is available in most home centers or Testers model paint available in craft stores. If damage is more extensive, a plank can be removed and replaced easily. To replace a damaged plank follow the procedures below:

- Using a sharp utility knife cut through a corner of the damaged plank taking care not to cut into the adjacent planks.
- Use a putty knife and hammer if necessary to lift the corner of the plank.
- After the corner is removed, carefully lift the plank off the adhesive strip. Use one hand to lift the plank and the other to hold the floor down. If necessary, use a heat gun to heat the plank along the edges over the adhesive strip. This will allow it to release more easily.
- Remove the adhesive strips from the replacement plank.
- Install the replacement plank starting in the corner and working toward the opposite end.
- Roll the replacement plank with a steel hand roller to seat it into the adhesive and level the edges.

### IMMEDIATELY AFTER INSTALLATION

- Install wall trim around the entire perimeter to cover the 1/8" expansion space. Place trim lightly over the floor and secure it to the wall or cabinets, not to the floor. Install doorway transition moldings. Do not pin the floor with the molding or drive fasteners through the floor.
- Seal the edge with a high quality acrylic or silicone caulking in wet areas to prevent water from seeping under the floor.
- Return appliances and furniture to the room by rolling or sliding them over strips of plywood or hardboard. Install protective felt pads on chairs and other movable furniture.
- Wait 48 hours before damp mopping the floor and at least 5 days before wet mopping or washing.

### IMPORTANT CONSUMER INFORMATION PREVENTIVE CARE

- Make sure furniture legs have large surface, non-staining floor protectors. Replace small, narrow metal or dome-shaped glides with smooth, flat glides that are in flat contact with the floor. Glides should be equipped with self-adhesive felt pads to avoid scratching the surface of the floor. The pads should be checked periodically for grit and wear and replaced when necessary.
  - Heavy furniture or appliances that are not moved often should be equipped with flat, nonstaining composition furniture casters or cups of appropriate size - available in square from 1 1/2" to 2 5/8" and in round from 1 3/8" to 1 5/8".
  - Mobile appliances and furniture should be equipped with easily swiveling casters. They should be at least 2" in diameter with non-staining hard rubber treads at least 3/4" wide. Do not use ball-shaped casters.
  - Place mats at outside entrances to prevent dirt, grit and soil from being tracked onto your floor.
- Caution:** Connections, like other types of hard-surfaced floors, can become slippery when wet. Allow time for the floor to dry after washing. Immediately wipe up wet areas from spills or wet feet. Place mats at outside entrances to prevent water, snow or ice from being tracked onto your floor. Improper polishes or finishes can also cause slipperiness.

### REGULAR CARE

- Sweep or vacuum regularly to remove grit and sand that can abrade, dull or scratch your new floor. Do not use a vacuum with a beater brush, because it may damage the floor's surface.
  - Wipe up spills promptly with a damp cloth or mop.
  - Wash your floor with Congoleum Bright 'N Easy No-Rinse Cleaner or other non-detergent floor cleaner.
- Caution:** Avoid one-step "mop and polish" products, dishwashing liquids and oil-based cleaners. These may leave a residue which can attract dirt and dull your floor's finish. Avoid cleaners that contain abrasives or solvents which may permanently damage your floor.



# Carefree<sup>®</sup> by Congoleum<sup>®</sup>

## GLUELESS FLOOR SYSTEM

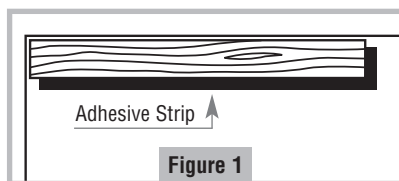


Figure 1

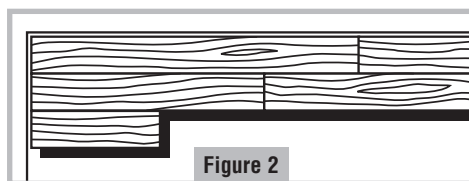


Figure 2

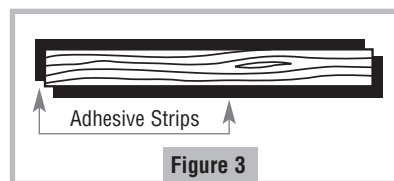


Figure 3

### CAREFREE INSTALLATION INSTRUCTIONS

Carefree Plank is a floating flooring system that utilizes an attached adhesive strip to connect the planks together. No additional adhesive is required. You simply connect the planks together by pressing the edges into the adhesive strip. The planks bond to each other, not to the floor.

#### General Information

- Carefree is recommended for installation in enclosed heated areas where HVAC has been in operation for at least 30 days. Do not install Carefree on ramps or in rooms with sloping floors or floor drains.
- Always handle, store and transport Carefree carefully to prevent distortions. Store and transport cartons on a flat surface in neat stacks no more than 10 cartons high. Store cartons flat, never on the end or side.
- The subfloor and all flooring material must be conditioned at a constant temperature between 65°F (18°C) and 85°F (29°C) for 48 hours prior to, during and 48 hours after installation. Thereafter, maintain a room temperature between 55°F (13°C) and 85°F (29°C).
- When using flooring from two or more cartons, make sure pattern and run numbers found on the carton are the same. This information is stenciled on the outside of each carton.
- Carefree is a floating floor. Allow a 1/8" space for expansion between the planks and all vertical surfaces. Cover the space with trim. Do not install base cabinets on top of Carefree.
- Do not install Carefree in a dusty environment or remove the paper liner from the adhesive strip until ready to be covered with a plank.

#### Tools and Materials

- 100-pound, 3-section, roller
- Hand roller
- Chalk line
- Carpenter square
- Utility knife (tile cutter optional)
- Cutting board
- Tape measure

#### Preparing the Area

- Move all furniture, appliances, and fixtures from the room.
- Remove all binding strips or other restrictive molding from doorways, walls, etc.
- Undercut wood door casing so that the flooring can be slid under it.

#### Subfloor Requirements

Carefree Plank can be installed directly over a variety of subfloor surfaces. All subfloor surfaces must be clean, dry, smooth and free of movement. In remodel applications remove all adhesive

residue or other substances that can prevent the floor from floating. All protruding surface imperfections should be leveled. Set nails and fasteners 1/32" below the surface. Fill depressions wider than 1/8" with a portland cement-based latex patching compound.

**⚠ WARNING:** DO NOT SAND, DRY SWEEP, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUT-BACK" ADHESIVE, OR OTHER ADHESIVE.

These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Various federal, state, and local government agencies have regulations governing the removal of in-place asbestos containing material. If you are considering the removal of a resilient floor covering structure that contains or is presumed to contain asbestos, you must review and comply with all applicable regulations. Regulations outside the United States may vary.

Copies of the Resilient Floor Covering Institute Recommended Work Practices for the Removal of Resilient Floor Coverings are available from:

**Resilient Floor Covering Institute**  
401 East Jefferson Street • Suite 102  
Rockville, MD 20850 • [www.rfci.com](http://www.rfci.com)

Subfloor Surface	Specification
Wood subfloor suspended over joist or trusses up to 19.2" OC	<ul style="list-style-type: none"> <li>Single layer Sturd-I-Floor rated panel 23/32" or heavier</li> <li>Double layer construction, minimum 1" thick</li> <li>Minimum of 18" of well ventilated air space below structural supports.</li> </ul>
Wood Underlayments	Plywood, other hardwood veneer panels, particleboard, OSB - Sand joints smooth and set fasteners 1/32" below the surface. Do not install over weathered or rough underlayment.
Concrete, on, above and below grade	With vapor emissions 5 pounds or less. Do not install over expansion joints.
Lightweight Concrete and Gypsum Topping	Minimum 2000 psi compression rating. Must be smooth, dry and in sound condition. Repair all cracks and damaged areas.
Radiant Heated Floors	The temperature of the floor should be limited to 70°F (21°C) for 24 hours before, during and 48 hours after installation. There after the maximum floor temperature should not exceed 85°F (29°C).
Existing Resilient Flooring and Tile Note: Refer to warning statement above.	Must be single layer, fully adhered and in good condition. Do not install over heavy cushioned or cushioned backed flooring or tile installed below grade. Heavily embossed floors should be leveled with embossing leveler.
Ceramic, Marble and Terrazzo	Must be well bonded. Grind high spots and fill low areas to a smooth surface with a latex modified portland cement underlayment to achieve a flat surface.

**Layout** – Determine the direction that planks will be installed in the room. Normally the long direction of the plank will be installed parallel with the long direction of the room. To balance the flooring in the room, mark the center of the floor. Measure the distance from the mark to the wall. Divide this measurement by the plank width (6"). If the remainder is less than half a plank width (3"), then add 3" to the remainder to determine the width of the plank in the first row.

**Example:** Room width 12'-2" or 6'-1" on each side of the center mark 6'-1" (73") divided by 6" equal 12 with a remainder of 1". Since 1" is less than one half of the plank width, add 3" to the remainder for a starting plank width of 4".

**Note:** Check to make sure that the joints in the finished floor offset joints in the underlayment by at least 2". Adjust the layout if necessary.

**Installation** – Note: The first row of planks can be secured to the subfloor with a strip of thin double face tape to prevent it from moving during installation. Use a string or chalk line to make sure the first row is straight before the planks are secured to the tape.

Lay the first row of planks along the wall starting in the left corner with the adhesive strips facing out away from the walls (Fig. 1). Allow a 1/8" space between the edge of the planks and the wall, base cabinets and any other vertical surfaces. Remove the paper liner from the adhesive strip at the end of the first plank and secure the end of the next plank by pressing down on the planks.

**Caution:** *The paper liner is slippery. Place it into the trash immediately after it is removed from the adhesive strip to avoid a slip hazard.* Protect the exposed adhesive strip from dust and foot traffic. Do not remove the paper liner until you are ready to cover the adhesive strip with another plank. Continue to install the planks in the first row including the cut piece at the end of the row.

Lay the second row starting in the left corner with a plank cut 2/3 the length or about 24" (Fig. 2). Place the cut end against the wall. The piece you cut off can be used at the other end of the row if the layout permits. Remove the paper liner from the installed plank in the first row and place it in the trash. Lay the plank by holding one end up while slowly positioning the other end and edge into the adhesive strip against the previous laid planks to achieve a tight joint. Do not slide planks together. If adjustments are required, lift the plank off the adhesive strip and reposition it. Complete the second row including the cut piece at the end of the row. Use a hand roller to secure the plank in the adhesive strip and level the joints.



Start the third row with a plank cut to 1/3 the length; about 12" (Fig. 2). There after maintain a random layout with end joints staggered by at least 8". Always put the cut end against the wall. Plan the layout to avoid using small pieces (less than 6") at the ends of the row.

Once you have completed 3 or 4 rows, it is easier to work from on top of the installed plank. Continue to install the planks by laying each plank in place without sliding it. Make sure the joints are laid together tight; if necessary, lift the plank and re-position it to close any open joints.

After completing the installation roll the entire floor in both directions with a 100 pound three section roller. Use a hand roller to secure the edges and ends in the adhesive strip and level the joints.

**Cutting** – Cut planks with a sharp utility knife and straight edge or square.

Measure the space between the last whole plank and the wall and subtract 1/8". Mark the plank and place it over a cutting board. Carefully score the top surface of the plank, release liner and adhesive strip where it will be cut. Bend the plank at the score mark until it breaks. Cut the tape on the bottom side at the score mark to separate the pieces. Install the plank with the cut end against the wall. For more intricate cuts make a paper template of the area and transfer it to the plank.

**Caution:** Use extreme caution when using a knife to avoid injury. Always keep fingers and hands away from the cutting path. Keep children and pets away from the work area.

**Intricate Room Layouts**— Some installations with multiple rooms, closets, intricate layouts or alcoves may **require changing the direction of the planks**. This can easily be done in one of two ways. Use CF910 Film (3" wide x 9' lineal feet per roll) and cut the exact amount of film that you need. Or remove the adhesive strips from a plank and place them along the edge and end of the plank where the direction will change. Carefully position the adhesive strip centered along the edge and end of the plank without overlapping the strips. When done correctly, the plank(s) will have an adhesive strip on both edges and ends. Continue to install planks in the opposite direction as required.

#### Bathrooms

Only when the bathroom is installed as a separate room can the toilet be set on the planks. Always fill the gap around the entire perimeter and at fixtures with a high quality acrylic or silicone caulking to prevent water from seeping under the floor. Caulking should be used even when the perimeter will be covered with trim.

#### Stairs

Carefree can be installed fully adhered on stairs with Congoleum DS 100 Adhesive. Simply remove the adhesive strip from the back of the plank and trim the planks to fit. Apply the adhesive with the trowel blade adaptor provided and allow the adhesive to dry to a tack prior to installation. Cover the stair nose with a vinyl, rubber or metal stair nose molding.

#### Repairs

Small chips or gouges can often be repaired by filling the damaged area with a matching wax stick that is available in most home centers or Testers model paint available in craft stores. If damage is more extensive, a plank can be removed and replaced easily. To replace a damaged plank follow the procedures below:

- Using a sharp utility knife cut through a corner of the damaged plank taking care not to cut into the adjacent planks.
- Use a putty knife and hammer if necessary to lift the corner of the plank.
- After the corner is removed, carefully lift the plank off the adhesive strip. Use one hand to lift the plank and the other to hold the floor down. If necessary, use a heat gun to heat the plank along the edges over the adhesive strip. This will allow it to release more easily.
- Remove the adhesive strips from the replacement plank.
- Install the replacement plank starting in the corner and working toward the opposite end.
- Roll the replacement plank with a steel hand roller to seat it into the adhesive and level the edges.

#### IMMEDIATELY AFTER INSTALLATION

- Install wall trim around the entire perimeter to cover the 1/8" expansion space. Place trim lightly over the floor and secure it to the wall or cabinets, not to the floor. Install doorway transition moldings. Do not pin the floor with the molding or drive fasteners through the floor.
- Seal the edge with a high quality acrylic or silicone caulking in wet areas to prevent water from seeping under the floor.
- Return appliances and furniture to the room by rolling or sliding them over strips of plywood or hardboard. Install protective felt pads on chairs and other movable furniture.
- Wait 48 hours before damp mopping the floor and at least 5 days before wet mopping or washing.

#### IMPORTANT CONSUMER INFORMATION PREVENTIVE CARE

- Make sure furniture legs have large surface, non-staining floor protectors. Replace small, narrow metal or dome-shaped glides with smooth, flat glides that are in flat contact with the floor. Glides should be equipped with self-adhesive felt pads to avoid scratching the surface of the floor. The pads should be checked periodically for grit and wear and replaced when necessary.
- Heavy furniture or appliances that are not moved often should be equipped with flat, nonstaining composition furniture casters or cups of appropriate size - available in square from 1 1/2" to 2 5/8" and in round from 1 3/8" to 1 5/8".
- Mobile appliances and furniture should be equipped with easily swiveling casters. They should be at least 2" in diameter with non-staining hard rubber treads at least 3/4" wide. Do not use ball-shaped casters.
- Place mats at outside entrances to prevent dirt, grit and soil from being tracked onto your floor.

**Caution:** Carefree, like other types of hard-surfaced floors, can become slippery when wet. Allow time for the floor to dry after washing. Immediately wipe up wet areas from spills or wet feet. Place mats at outside entrances to prevent water, snow or ice from being tracked onto your floor. Improper polishes or finishes can also cause slipperiness.

#### REGULAR CARE

- Sweep or vacuum regularly to remove grit and sand that can abrade, dull or scratch your new floor. Do not use a vacuum with a beater brush, because it may damage the floor's surface.
- Wipe up spills promptly with a damp cloth or mop.
- Wash your floor with Congoleum Bright 'N Easy No-Rinse Cleaner or other non-detergent floor cleaner.

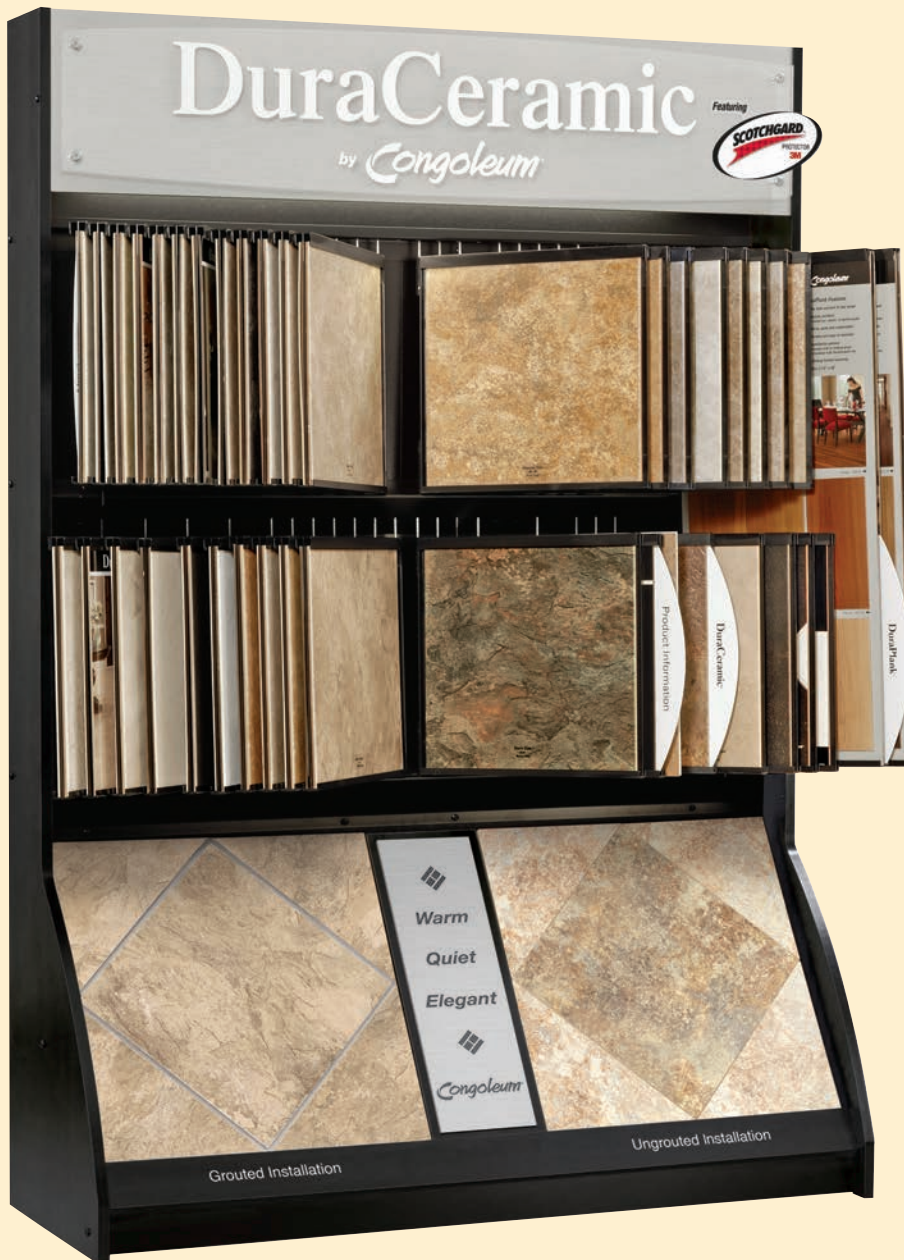
**Caution:** Avoid one-step "mop and polish" products, dishwashing liquids and oil-based cleaners. These may leave a residue which can attract dirt and dull your floor's finish. Avoid cleaners that contain abrasives or solvents which may permanently damage your floor.

The logo for Congoleum, featuring the brand name in a stylized, cursive script font with a registered trademark symbol.

The background is a solid teal color with several large, overlapping, curved white lines that create a sense of motion and depth. These lines sweep across the frame from the bottom left towards the top right.

## Displays & Merchandising Programs

# DuraCeramic® Merchandising System



The DuraCeramic Merchandising System presents Congoleum's entire DuraCeramic product line in a unique and fashionable display. In addition, it maximizes the number of designs that can be shown in a limited amount of square footage. The DC130 DuraCeramic display incorporates these key merchandising features:

- Contemporary black and charcoal coloration
- Brushed aluminum header with offset Plexiglas logo
- Large customized sample boards featuring:
  - Grouted sample panel
  - Edge-to-edge sample panel
- Durable, easy-to-use front loading page frames
- Backed samples with room scene and product information
- Warmth comparison demonstration board
- Grout selection board
- Dimensions: Height 6' 7" x Width 4' 7" x Depth 20"
- Order Code: DC130SYSTS

Additional program elements available include:  
Door Decal • Display Floor





DC 130

## DuraCeramic Merchandising System

### Hardware & Sample Components

Item/Description	No. of Cartons	Order Code	Weight
<b>DuraCeramic Complete System</b>	<b>16</b>	<b>DC130SYSTS</b>	<b>400*</b>
Side panels, back spreaders, support board, kick panel, sample support board, wire page stops, literature pocket, hardware bag, instruction sheet	1	DC13A	
Lower shelf, acrylic header, plastic back panels, masonite back panels, metal graphic holder	1	DC13B	
Top hinge & pivot bar, middle hinge & pivot bar, bottom hinge & pivot bar	1	DC13C	
Page Frames (19/carton)	1	DC00D0019	
Page Frames (20/carton)	1	DC00D0020	
DuraPlank II frames (2/carton)	1	UPDFR1007S	
Backed Display Samples (10/carton)	1	DC001	
Backed Display Samples (10/carton)	1	DC002	
Backed Display Samples (10/carton)	1	DC003	
Backed Display Samples (10/carton)	1	DC004	
Backed Display Samples & Cards (17/carton)	1	DC005	
DuraCeramic Collateral Material – Lifestyle boards, tabs, literature, literature holder, grout cards, etc	1	DC007	
DuraPlank II samples ( 4/carton)	1	DC008	
Backed Display Samples & Cards (12/carton)	1	DC009	
DuraCeramic Feature Boards – 2 boards	1	DCFEA	

\*Approximate weight will vary depending on number of samples and product mix current at time of shipment.

# DC100 Compact Display



The DC100 Compact Display is designed to showcase the complete line of Congoleum DuraCeramic products in an easy to assemble, space-saving display. Its compact base and stepped levels provide an eye-catching, highly visible way to showcase the entire DuraCeramic line. It is ideal for use in builder selection centers or limited space environments.

The DC100 Compact Display incorporates these key merchandising features:

- One full tile on front of board and swatches of all colors on back for each design
- Sample boards feature a built-in handle and notched bottom for easy placement and handling
- Attractive photographs and product information on each board
- Warmth comparison demonstration board
- Fast, easy assembly
- Grout booklet
- Dimensions: Width 1'7" x Height 3'10" with boards x Depth 2'9" (4.459' foot print)
- Order Code: DC100SYSTS  
Display complete with boards



DC 100

*Congoleum®*

### DuraCeramic Compact Display Hardware & Sample Components

Item/Description	No. of Cartons	Order Code	Weight
<b>DuraCeramic Compact Display</b>	<b>6</b>	<b>DC100SYSTS</b>	<b>185</b>
Display Unit	1	DC100	
DuraCeramic Handle Boards	1	DC10A	
DuraCeramic Handle Boards	1	DC10B	
DuraCeramic Handle Boards	1	DC10C	
DuraCeramic Handle Boards	1	DC10D	
DuraCeramic Handle Boards	1	DC10E	



# Retail Showcase



The **Retail Showcase** merchandising system is designed to present the entire Congoleum residential sheet flooring product line in a compact, functional display format. In addition it maximizes the number of sku's that can be shown in a limited amount of space.

The Retail Showcase features:

- All residential sheet flooring products
- User friendly three-up page frame system
- Beautiful four color rooms scenes throughout the display
- Samples with room scene and product information
- Dimensions: Height 79" x Width 78" x Depth 32"
- Sample Capacity: 48 Front loading page frames which hold six 18" x 24" samples for a total of 288 samples
- Order Code: RS400SYSTS



Retail Showcase

### Retail Showcase Display Hardware & Sample Components

Item/Description	No. of Cartons	Order Code	Weight
<b>Retail Showcase</b>	<b>23*</b>	<b>RS400SYSTS</b>	<b>822*</b>
Page Frames ( 6 ctns of 6; 1 ctn of 3)	7	RS4FRA	
Legs, Brace and Bottom Support	1	RS40A	
Header and Base	1	RS40B	
Filler Cards	3	CBFIL	
Room Scene	1	R4RMS	
Product ID Tabs	1	R4TAB	
Ultima Samples	2	SBUL1,2	
AirStep Evolution Samples	2	SBEV1,2	
Flor-Ever Plus Samples	1	SBFLP	
AirStep Plus Samples	1	SBASP	
Pacesetter Samples	1	SBPAC	
Fast Track Samples	1	SBFST	
Prelude Samples	1	SBPRE	

\*Approximate weight will vary depending on number of samples and product mix current at time of shipment.

# AirStep® Merchandising System



The **AirStep Merchandising System** presents the entire Congoleum AirStep line in a contemporary, compact display. Designed to maximize the number of samples that can be displayed in a minimum amount of square footage, this innovative display features a unique fold-out assembly system that allows for ultra quick, tool-free assembly. This display features an upscale brushed aluminum appearance with an eye-catching, colorful header and center channel.

The AirStep Merchandising System features:

- Contemporary brushed aluminum base
- Colorful header and center channel
- Super fast, fold-out assembly no tools needed
- 18" x 24" samples
- 9" x 12" handset
- Dimensions: Height 55" x Width 41" x Depth 25"
- Order Code: ARSTPSYSTS





AirStep Display

*Congoleum*

### AirStep Merchandising Display Hardware & Sample Components

Item/Description	No. of Cartons	Order Code	Weight
AirStep Display	4	ARSTPSYSTS	138*
Display Unit	1	AIRSTP	
AirStep Evolution Display Samples	2	ASEV1, 2	
AirStep Plus Display Samples	1	ASPLS	

\*Approximate weight will vary depending on number of samples and product mix current at time of shipment.

# Ovations® Luxury Tile Display

The Ovations Luxury Tile Display is designed to showcase the complete line of Congoleum Ovations Luxury Tile in a contemporary, easy to assemble, space-saving display. Its compact base, stepped levels and small footprint provide an eye-catching, highly visible way to feature the entire Ovations line.

The Ovations Display incorporates these key merchandising features:

- Attractive charcoal gray header and base
- Each sample is backed with a laminated room scene and product information card
- Fast, easy assembly
- Two grout booklets and holder
- Dimensions: Width 1'11" x Height 6'2" x Depth 1'8"
- Order Code: OVA15SYSTS  
Display complete with samples





Ovations Display

**Congoleum®**

### Ovations Luxury Tile Display

#### Hardware & Sample Components

Item/Description	No. of Cartons	Order Code	Weight
Ovations Luxury Tile Display	3	OVA15SYSTS	90
Display Unit	1	OVA15	
Display Sample Boards	1	OVAS1	
Display Sample Boards	1	OVAS2	



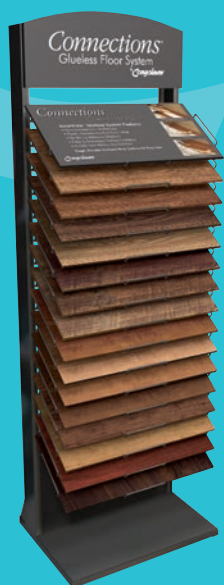
# Connections® Plank Display



The Connections Plank Display is a contemporary, easy to assemble, space-saving display. Its compact base, and small footprint provide an eye-catching, highly visible way to feature the entire Connections line.

The display also incorporates these key merchandising features:

- Attractive charcoal gray header and base
- Each sample is backed with a laminated room scene and product information card
- Fast, easy assembly
- Dimensions: Width 2' 1" x Height 6' 2" x Depth 1' 6"
- Order Code: CON16SYSTS  
Display complete with samples



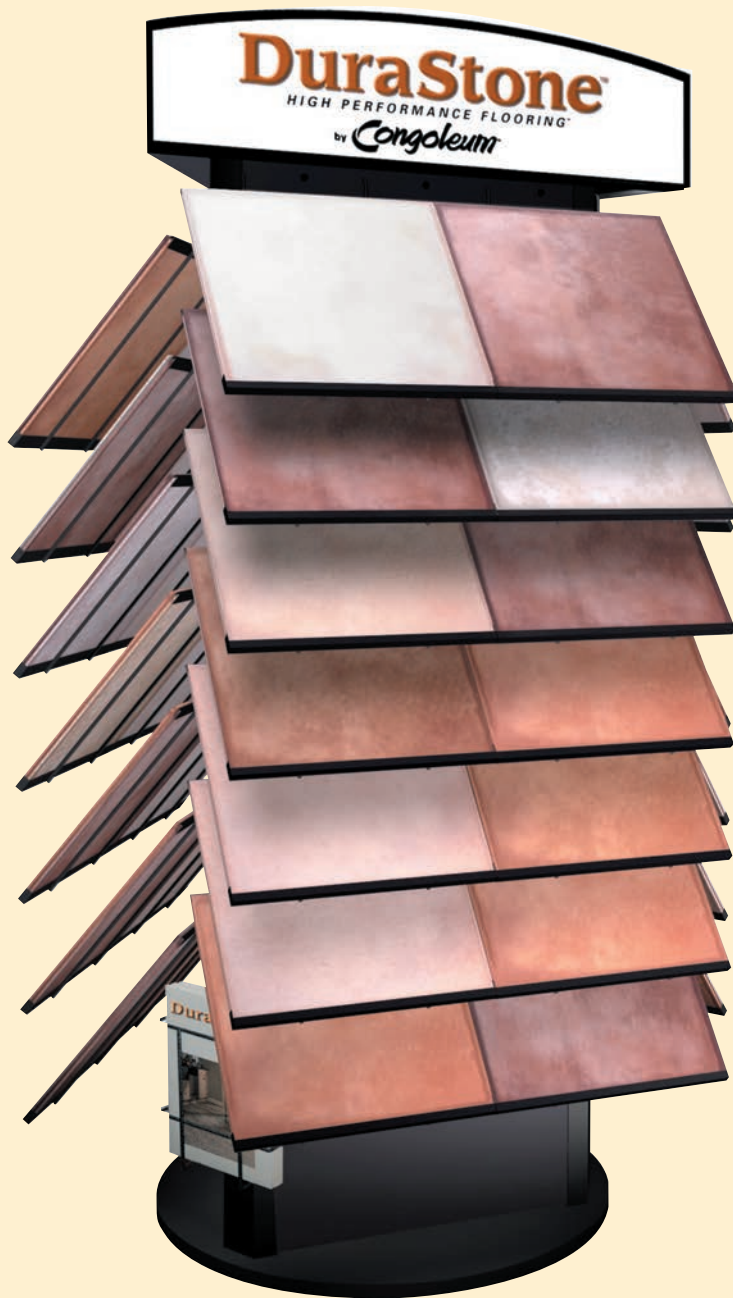
**Connections  
Display**

**Congoleum®**

## Connections Display Hardware & Sample Components

Item/Description	No. of Cartons	Order Code	Weight
Connections Plank Display	3	CON16SYSTS	127
Display Unit	1	CON16	
Display Sample Boards	1	CON1	
Display Sample Boards	1	CON2	

# DuraStone® HPF® Merchandising System

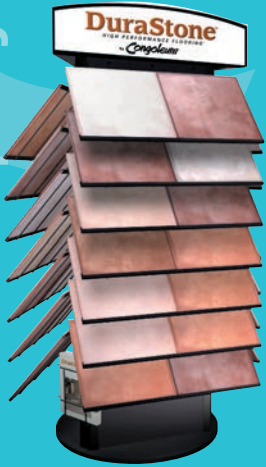


The DuraStone HPF Merchandising System is an attractive display that presents Congoleum's entire DuraStone product line in a unique and contemporary design. In addition, it maximizes the number of designs that can be shown in a limited amount of square footage. The DuraStone HPF Merchandising System incorporates these key merchandising features:

- Three-sided display
- Two 16" x 16" samples of each pattern
- Each sample is backed with a laminated room scene and product information card
- Unique sample tray that holds two samples side by side. One sample is "locked" into place to keep the display looking full at all times. The second sample will lay loose in the same tray and can be removed by the consumer.
- Literature holder
- Dimensions: 3' 10" x 3' 10" x 3' 10"; Height: 6' 10"; Square Footage: 6 1/2 ft<sup>2</sup>
- Order Code: HPF60SYSTS

Additional program elements available include:  
Door Decal • Display Floor





DuraStone  
HPF Display

*Congoleum®*

### DuraStone HPF Display Hardware & Sample Components

Item/Description	No. of Cartons	Order Code	Weight
<b>DuraStone HPF Complete System</b>	<b>14</b>	<b>HPF60SYSTS</b>	<b>*</b>
DuraStone HPF Display	1	HPFA0	
DuraStone Retrofit Trays	3	RTRAY	
DuraStone Display Tiles (Box 1 of 9)	1	HPF01	
DuraStone Display Tiles (Box 2 of 9)	1	HPF02	
DuraStone Display Tiles (Box 3 of 9)	1	HPF03	
DuraStone Display Tiles (Box 4 of 9)	1	HPF04	
DuraStone Display Tiles (Box 5 of 9)	1	HPF05	
DuraStone Display Tiles (Box 6 of 9)	1	HPF06	
DuraStone Display Tiles (Box 7 of 9)	1	HPF07	
DuraStone Display Tiles (Box 8 of 9)	1	HPF08	
DuraStone Display Tiles (Box 9 of 9), Configuration Sheet	1	HPF09	
DuraStone Display Gussets (36/box)	1	UPDSG	

\*Approximate weight will vary depending on number of samples and product mix current at time of shipment.

# Builder Design Center Merchandising System



The **Builder Design Center Merchandising System** is an attractive freestanding page-style display that is designed to assist the new homebuyer in making their Congoleum product selection. It is compact and versatile, offering flexibility of sample capacity to meet each builder's needs. The Builder Design Center Merchandising System incorporates these key merchandising features:

- Warm, contemporary rosewood coloration
- Brushed aluminum header with offset Plexiglas logo
- Durable, easy-to-use front-loading page frames
- Showcases large 18" x 24" samples\*
- Side mounted literature holder\*
- Dimensions: Height 6' 9" x Width 4' x Depth 2'
- Two versions available:
  - Program A – Front-loading page frames; 60 samples
  - Program B – Front-loading page frames; 120 samples

- Order code:  
Program A – BD060SYSTS      Program B – BD120SYSTS



Builder Design  
Center Display

**Congoleum®**

### Builder Design Center Merchandising System

Item/Description	No. of Cartons	Order Code	Weight
<b>Builder Design Center Program A</b>	<b>3</b>	<b>BD060SYSTS</b>	<b>169*</b>
Left & Right Legs Base Panel Back Panels Page Frame Holders & Stops Hardware Base Assembly Header Assembly Literature Pocket	1	BDISP	
18" x 24" Front Loading Page Frames	1	BDFLF	
Filler Cards	1	CBFIL	
<b>Builder Design Center Program B</b>	<b>5</b>	<b>BD120SYSTS</b>	<b>228*</b>
Left & Right Legs Base Panel Back Panel Page Frame Holders & Stops Hardware Base Assembly Header Assembly Literature Pocket	1	BDISP	
18" x 24" Front Loading Page Frames	2	BDFLF	
Filler Cards	2	CBFIL	

\*Approximate weight will vary depending on number of samples and product mix current at time of shipment.

\*All samples are ordered separately based on builder requirement.



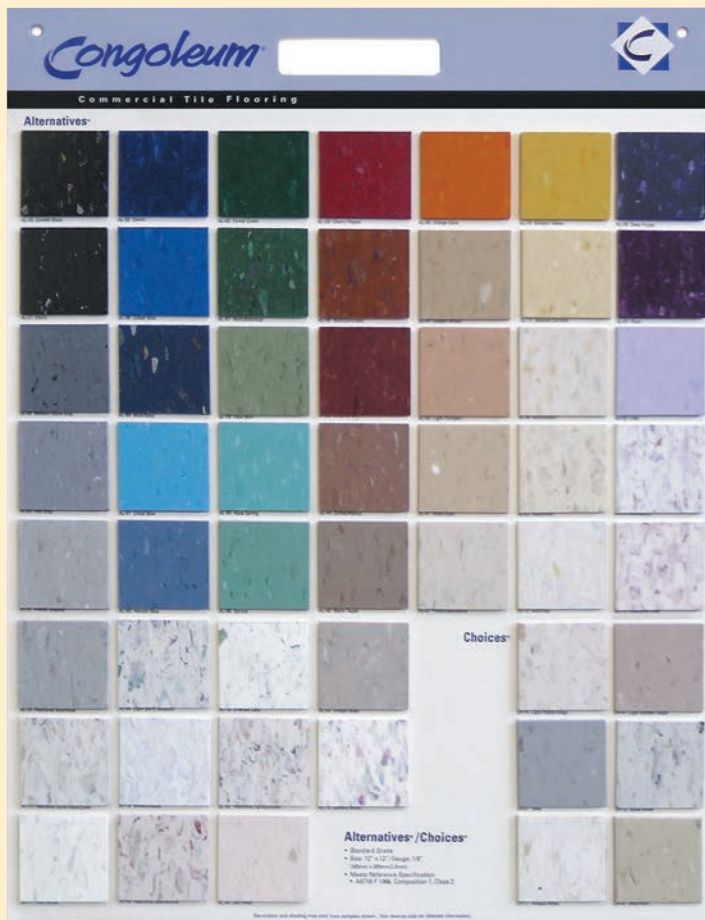
# Commercial Merchandising Tools

## Standard Grade 2 1/4" x 2 1/4"

### Commercial Tile Box:

This contract swatch box includes 2 1/4 x 2 1/4 samples of Choices and Alternatives.

- Packed 10 per carton
- Order Code: C0020



## 18" x 24" Commercial Tile Flooring Contract Board:

Two-sided board presenting mounted samples of Choices, Alternatives, TT Series and CX Series.

- Packed 1 board per carton
- Order Code: CBVCT



## Commercial Merchandising Tools

1. **Commercial Tile Flooring Architect Portfolio:** Designed to present the entire line-up of Congoleum commercial tile. This portfolio features the mounted samples of 1/8" Choices and Alternatives.
  - Packed 10 portfolios per carton
  - Order code: ARPOR
2. **18" x 24" Commercial Tile Flooring Contract Board:** Two-sided board presenting mounted samples of Choices, Alternatives, TT Series and CX Series.
  - Packed 1 board per carton
  - Order Code: CBVCT
  - Packed 10 boards per carton
  - Order Code: C0040
3. **8 1/2" x 11" Contract Boards:** This product line board is available for the CX Series. Samples are displayed on a board, hole-punched for easy placement in three ring binders.
  - Packed 10 boards per carton
  - Order Code: CX30
4. **Standard Grade 2 1/4" x 2 1/4" Commercial Tile Box:** This contract swatch box includes 2 1/4 x 2 1/4 samples of Choices and Alternatives.
  - Packed 10 per carton
  - Order Code: C0020
5. **16" x 12 1/2" TT Series Contract Board:** Samples and specifications of the TT Series is mounted on a convenient handle board
  - Packed 10 per carton
  - Order Code: TTCOM
6. **9" x 12" Sheet Flooring Sample Hand Sets:** These sample sets provide a complete complement of commercial sheet flooring for presentation in a larger size.
  - Packed 5 hand sets per carton
  - Order Code: HSFLO
7. **Commercial Sheet Flooring Architect Portfolio:** Designed to present the entire line of Flor-Ever Plus. Features one actual sample and digital print for all sku's.
  - Packed 10 portfolios per carton
  - Order Code: ARFLO

# 7 Roll Merchandisers and Accessories

## Spacesaver 7-Roll Rack

For display and storage of wide-width products. This sturdy rack is available in a 12' width and has a 7-roll capacity for 12' products.



- Sturdy metal construction
- Designed for island or wall use
- Locking roll capabilities to prevent accidental unwinding
- Dimensions: Height 7' 3" x Width 13' x Depth 3'
- Order Code: 01027 System

## Wide-Width Cutting Bar

This accessory allows efficient and accurate cutting of roll goods in a minimum amount of floor space. Made of sturdy, lightweight extruded aluminum, it can be easily changed from roll to roll. For use on all 12' roll merchandisers.



- Order Code: CTBR2

## Heavy-Duty 7-Roll Island Rack

Designed for display and inventory of wide-width products. This heavy-duty rack is available in a 12' width. The popular low profile island unit holds up to 7 rolls.

- Dimensions: Height 3' 6" x Width 13' x Depth 3' 6"
- Order Code: ISLSR System



## Wide-Width Measuring Device

Automatically measures feet and inches as the floor covering is unrolled. Hangers allow easy movement from roll to roll. Dual measuring meters provide accurate material measurements. For use on all 12' 7-roll merchandisers.



- Order Code: MSDV2

## Congoleum Banner

Beautifully identifies the Congoleum selling area with the Congoleum logo and tag line "Floors For The Way You Live."

- Order Code: GENBA

## "Do It Yourself." Banner

Colorfully identifies the Congoleum selling area while promoting do-it-yourself flooring.

- Order Code: DIYBA

Dimensions: 11' x 1' 8 1/2"



## Casters

This accessory allows the island merchandiser to be easily moved from one location to another.

- Order Code: ISLRA





**Spacesaver  
7-Roll Rack**

**Congoleum®**

## Spacesaver 7-Roll Wall Display

Item/Description	No. of Cartons	Order Code	Weight
<b>7-Roll Wall Complete System</b>	<b>4</b>	<b>01027SYSTS</b>	<b>464</b>
Header, Nuts, Bolts	1	01027	
Brace, Mandrels	1	BRACE	
End Panels	1	PANEL	
End Frames	1	FRAME	



**Heavy-Duty 7-Roll  
Island Display Rack**

**Congoleum®**

## Heavy-Duty 7-Roll Island Display

Item/Description	No. of Cartons	Order Code	Weight
<b>7-Roll Wall Complete System</b>	<b>4</b>	<b>ISLSRSYSAS</b>	<b>472</b>
Brace	1	ISBRA	
Hardware	1	ISHDW	
End Frames	1	ISEND	
End Panels	1	ISPAN	

# Profitmaker Automated Roll Racks



The 15 Roll Profitmaker is the industry's most attractive 15 roll automated roll rack. The unit features:

- Heavy-duty quality construction including: automatic cup-lock loading, chain guards and 1 H.P. motor
- Custom keypad control
- Waste-saver cutting bar
- Portable loading cart
- 45 roll straps prevent rolls from unwinding

- 1-Year Warranty
- Professional installation not required

Additional Profitmaker Roll Racks Available	
Type	Order Code
15 Rolls	PRM15
16 Rolls	PRM16
21 Rolls	PRM21
25 Rolls	PRM25



Profitmaker  
Automated  
Roll Racks

**Congoleum®**

### Profitmaker Sheet Flooring Displays

Item/Description	No. of Cartons	Order Code	Weight
<b>15 Roll Profitmaker Complete System</b>	<b>5</b>	<b>PRM15SYSTS</b>	<b>2556</b>
Brace & Cutting Bra	1	BRACE	
Frame, Frame Header	1	FRMHR	
Motor, Hardware, Instructions	1	FRMMT	
Loading Dolly	1	LDDLY	
Poles/Drive Shaft	1	POLES	

<b>21 Roll Profitmaker Complete System*</b>	<b>1 SKID</b>	<b>PRM210000S</b>	<b>3462</b>
<b>25 Roll Profitmaker Complete System*</b>	<b>1 SKID</b>	<b>PRM250000S</b>	<b>3810</b>

\*21 and 25 Roll Profitmaker displays are shipped complete on One (1) 14' Skid.  
Contents include roll straps, brace, cutting bar, frame and header, motor, hardware, instructions, loading dolly and poles/drive shaft.



# The Congoleum Advantage Program (CAP)



The Congoleum Advantage Program (CAP) is a multi-tiered annual reward program that Congoleum offers to our top retail partners. The program provides unique advantages that are designed to keep your showroom looking its best and give you the flexibility to make the decisions that will bring the most benefit to your business. Purchases of qualifying products during the qualifying time period of July 1 to June 30 determine the advantage level achieved.

Benefits attained may be used between January 1 and December 31 of the following year.

The strength of the CAP Program is found in the vast array of benefits that are offered to qualifying retailers. The comprehensive program includes a variety of categories that are proven to be a formula for success!

Merchandising is one of the most important elements in the flooring industry. Allowing potential customers to see and feel the products are essential for the final buying decision. Our merchandising program keeps your displays up to date and puts eye-catching display floors in front of the consumer to help them visualize what the flooring may look like in their own home.

Getting the word out about your business is imperative for success. Periodic, targeted promotions created to support Congoleum products and directed towards the retail salesperson or the consumer will give you a strong advantage over the competition. The opportunity to earn advertising dollars with CO-OP is also a great way to get your business in front of consumers. And as the internet continues to be a driving force in sales, a top listing on Congoleum's corporate website [www.congoleum.com](http://www.congoleum.com) on the dealer locator feature is a vital tool that allows customers to locate your showroom.

Exclusive customer service options help you provide even better customer service to your most valued customers. This program is designed to provide you with the ability to settle complaints at your own discretion. CAP accounts also deserve exceptional levels of support. As a valued CAP retailer, a toll free number has been set up to aid you with any questions or concerns you may have and a newsletter sharing the hottest news about Congoleum and the flooring industry will keep you informed.

The CAP program has the ability to help you bring out the full potential in your business. See the annual Congoleum Advantage Program Guidelines for full program details and qualifying requirements.

## Congoleum CO-OP Advertising

Advertising is an excellent way to direct consumers into your store. **CO-OP advertising**, earned by qualifying retailers through purchases of qualifying products is designed to help you maximize your local advertising efforts when promoting Congoleum products.

In order to receive CO-OP funding, a qualifying retailer's purchases of qualified products must surpass the 5-Star or 4-Star CAP Advantage levels. The CO-OP fund for the current year is calculated based on purchases of qualifying products made between July 1 and June 30 of the previous year. The funding accumulated may be used between January 1 and December 31 of the current year.

See the annual Congoleum CO-OP Advertising Policy Guidelines for full program details and qualifying requirements.

# Retail Display Flooring Program

The Congoleum program for Retail Display Floors is as follows:

## Approved Retail Display Floor Products

Retailers with Sheet Displays	Retailers with Tile Displays
Ultima	DuraCeramic
Flor-Ever Plus	DuraPlank II
Pacesetter	DuraStone
AirStep Plus	Ovations
AirStep Evolution	Connections

These are the only approved products that can be used for the Retail Display Floor Program referred to in this policy. The Display Floors must be current running line regulars from these product lines. Deviations from this policy will not be honored unless prior approval is obtained from the Vice-President of Sales.

## New Retail Accounts - Display Floor Policy

Display Type	Maximum Display Floor Size	Required Distributor Selling Price
Retail Showcase RS400, S1000, S2000	20 Sq. Yds.	50% Off Current Retailer Cost
DuraCeramic DuraStone Ovations Connections	10 Cartons	50% Off Current Retailer Cost

## Existing Retail Accounts - Replacement Display Floors

For existing retail accounts who are replacing their Congoleum display floors, the same eligible products, maximum display floor sizes and other policies apply as for new retail accounts. Additionally, both of the following conditions must be met:

- The existing Congoleum display floor must be a discontinued SKU or be at least three years old.
- Prior approval has been given from the Congoleum sales representative.

# Model Home Flooring Program

The Congoleum program for Model Home Floors is as follows:

## Approved Model Home Floor Products

Retailers Sheet	Tile Products
Ultima	DuraStone
Pacesetter	DuraCeramic
Fast Track	DuraPlank II
Flor-Ever Plus	Ovations
AirStep Plus	Connections
AirStep Evolution	Endurance Plank
AirStep Basix	

Model Home Floors must be current running line regulars from these product lines and are limited to only those resilient sheet and tile product lines programmed into the builder's flooring selection. Deviations from the approved products require the approval of the Congoleum Regional Manager.

## Model Home Flooring Policy

The Congoleum Model Home Flooring Allowance is 50% off of the current retailer cost. In order for a builder to receive a Model Home Flooring Allowance within the program guidelines, the Congoleum Sales Representative must give approval. The general guideline for a 50% model home allowance is that a builder be planning construction of a minimum of 50 homes in the community of the model home, and the model home be open to the public for a minimum of one year. Any deviations from this policy must be approved by the Congoleum Regional Manager.

Eligible Products	Maximum Floor Size	Required Distributor Selling Price
Approved Resilient Sheet Products	50 Sq. Yds.	50% Off Current Retailer Cost
DuraCeramic DuraStone DuraPlank II	27 Cartons	50% Off Current Retailer Cost
Ovations Connections Endurance Plank	22 Cartons 21 Cartons 13 Cartons	50% Off Current Retailer Cost



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