Congoleum®

2019
PRODUCT GUIDE

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NEW
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NEW
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Featuring Scotchgard™ PROTECTOR 3M

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Featuring Scotchgard™ PROTECTOR 3M

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AirStep Plus®

Featuring Scotchgard™ PROTECTOR 3M

CANYON BOWER™
Economy Match: Random L x 8" W   Do Not Reverse Sheets

NEW

NEW

NEW

58180 Natural

58182 Regal Stag

58181 Farmstead

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Economy Match: Random L x 36" W   Do Not Reverse Sheets

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TOPSIDE™
Economy Match: Random L x 9" W   Do Not Reverse Sheets

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58120 Feather Edge

CROSSING™
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58041 Sundance

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58102 Briarwood

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AirStep Plus®

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58021 Sunstone

58024 Moonglow

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58142 Shoreline

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58011 Blush

NEW

58013 Silver Satin

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58171 Mesquite

ArmorCore®

NORTHBUSH CABIN™

Economy Match: Random L x 36" W
Do Not Reverse Sheets

Deer Valley

AC185 - ArmorCore
AP185 - ArmorCore Pro
AU185 - ArmorCore UR
UP185 - ArmorCore Pro UR
LC185 - ArmorCore LC

WOOD RIDGE™

Economy Match: 9" L x 9" W
Do Not Reverse Sheets

Autumn Bronze

AC131 - ArmorCore
AP131 - ArmorCore Pro
AU131 - ArmorCore UR
UP131 - ArmorCore Pro UR
LC131 - ArmorCore LC

SOUTHWOOD™

Economy Match: Random L x 36" W
Do Not Reverse Sheets

Ranch

AC170 - ArmorCore
AP170 - ArmorCore Pro
AU170 - ArmorCore UR
UP170 - ArmorCore Pro UR
LC170 - ArmorCore LC

WOOD RIDGE™

Economy Match: 9" L x 9" W
Do Not Reverse Sheets

Mustang

AC132 - ArmorCore
AP132 - ArmorCore Pro
AU132 - ArmorCore UR
UP132 - ArmorCore Pro UR
LC132 - ArmorCore LC

LOFT™

Economy Match: Random" L x 36" W
Do Not Reverse Sheets

Warm Driftwood

AC241 - ArmorCore
AP241 - ArmorCore Pro
AU241 - ArmorCore UR
UP241 - ArmorCore Pro UR
LC241 - ArmorCore LC

WOOD RIDGE™

Economy Match: 9" L x 9" W
Do Not Reverse Sheets

Rainy Evening

AC133 - ArmorCore
AP133 - ArmorCore Pro
AU133 - ArmorCore UR
UP133 - ArmorCore Pro UR
LC133 - ArmorCore LC

OAK RUN™

Economy Match: Random L x 48" W
Do Not Reverse Sheets

Marsh Brown

AC411 - ArmorCore
AP411 - ArmorCore Pro
AU411 - ArmorCore UR
UP411 - ArmorCore Pro UR
LC411 - ArmorCore LC

WOOD RIDGE™

Economy Match: 9" L x 9" W
Do Not Reverse Sheets

Essential Gray

AC134 - ArmorCore
AP134 - ArmorCore Pro
AU134 - ArmorCore UR
UP134 - ArmorCore Pro UR
LC134 - ArmorCore LC

OAK RUN™

Economy Match: Random L x 48" W
Do Not Reverse Sheets

Yukon Sky

AC412 - ArmorCore
AP412 - ArmorCore Pro
AU412 - ArmorCore UR
UP412 - ArmorCore Pro UR
LC412 - ArmorCore LC

TIDAL WOOD™

Economy Match: Random L x 8" W
Do Not Reverse Sheets

Foothills

AC160 - ArmorCore
AP160 - ArmorCore Pro
AU160 - ArmorCore UR
UP160 - ArmorCore Pro UR
LC160 - ArmorCore LC

FARMHOUSE TIMBER™

Economy Match: Random L x 36" W
Do Not Reverse Sheets

Honeycomb

AC500 - ArmorCore
AP500 - ArmorCore Pro
AU500 - ArmorCore UR
UP500 - ArmorCore Pro UR
LC500 - ArmorCore LC

FARMHOUSE TIMBER™

Economy Match: Random L x 36" W
Do Not Reverse Sheets

Wren

AC501 - ArmorCore
AP501 - ArmorCore Pro
AU501 - ArmorCore UR
UP501 - ArmorCore Pro UR
LC501 - ArmorCore LC

FARMHOUSE TIMBER™

Economy Match: Random L x 36" W
Do Not Reverse Sheets

Steel Wool

AC502 - ArmorCore
AP502 - ArmorCore Pro
AU502 - ArmorCore UR
UP502 - ArmorCore Pro UR
LC502 - ArmorCore LC

CANYON VIEW™

Economy Match: 27" L x 36" W
Do Not Reverse Sheets

Adobe Cream

AC901 - ArmorCore
AP901 - ArmorCore Pro
AU901 - ArmorCore UR
UP901 - ArmorCore Pro UR
LC901 - ArmorCore LC

CANYON VIEW™

Economy Match: 27" L x 36" W
Do Not Reverse Sheets

Adobe Shadow

AC902 - ArmorCore
AP902 - ArmorCore Pro
AU902 - ArmorCore UR
UP902 - ArmorCore Pro UR
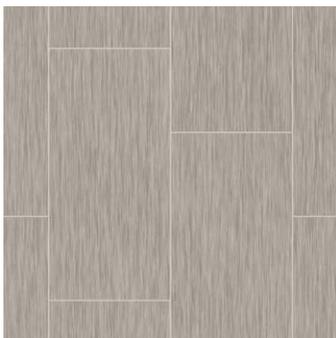LC902 - ArmorCore LC

CANYON VIEW™

Economy Match: 27" L x 36" W
Do Not Reverse Sheets

Adobe Rust

AC903 - ArmorCore
AP903 - ArmorCore Pro
AU903 - ArmorCore UR
UP903 - ArmorCore Pro UR
LC903 - ArmorCore LC

LINEATION™

Economy Match: 27" L x 12" W
Do Not Reverse Sheets

Amazing Grays

AC260 - ArmorCore
AP260 - ArmorCore Pro
AU260 - ArmorCore UR
UP260 - ArmorCore Pro UR
LC260 - ArmorCore LC

FIRMAMENT™

Economy Match: 27" L x 13.09" W
Do Not Reverse Sheets

Urban Putty

AC290 - ArmorCore
AP290 - ArmorCore Pro
AU290 - ArmorCore UR
UP290 - ArmorCore Pro UR
LC290 - ArmorCore LC

ArmorCore®

VALLEY PATH™

Economy Match: 27" L x 39.5" W
Do Not Reverse Sheets

River Silt

AC430 - ArmorCore
AP430 - ArmorCore Pro
AU430 - ArmorCore UR
UP430 - ArmorCore Pro UR
LC430 - ArmorCore LC

VALLEY PATH™

Economy Match: 27" L x 39.5" W
Do Not Reverse Sheets

Quicksand

AC431 - ArmorCore
AP431 - ArmorCore Pro
AU431 - ArmorCore UR
UP431 - ArmorCore Pro UR
LC431 - ArmorCore LC

VALLEY PATH™

Economy Match: 27" L x 39.5" W
Do Not Reverse Sheets

Sandy Brown

AC432 - ArmorCore
AP432 - ArmorCore Pro
AU432 - ArmorCore UR
UP432 - ArmorCore Pro UR
LC432 - ArmorCore LC

ETHEREAL™

Economy Match: 27" L x 72" W
Do Not Reverse Sheets

Pale Moon

AC812 - ArmorCore
AP812 - ArmorCore Pro
AU812 - ArmorCore UR
UP812 - ArmorCore Pro UR
LC812 - ArmorCore LC

ETHEREAL™

Economy Match: 27" L x 72" W
Do Not Reverse Sheets

Stormy Gray

AC814 - ArmorCore
AP814 - ArmorCore Pro
AU814 - ArmorCore UR
UP814 - ArmorCore Pro UR
LC814 - ArmorCore LC

CONTEMPO™

Economy Match: 6" L x 6" W
Do Not Reverse Sheets

Ballet White

AC600 - ArmorCore
AP600 - ArmorCore Pro
AU600 - ArmorCore UR
UP600 - ArmorCore Pro UR
LC600 - ArmorCore LC

CONTEMPO™

Economy Match: 6" L x 6" W
Do Not Reverse Sheets

Sandrift Tan

AC604 - ArmorCore
AP604 - ArmorCore Pro
AU604 - ArmorCore UR
UP604 - ArmorCore Pro UR
LC604 - ArmorCore LC

GRANDSTAND™

Economy Match: 13.5" L x 13.09" W
Do Not Reverse Sheets

Paper Lantern

AC280 - ArmorCore
AP280 - ArmorCore Pro
AU280 - ArmorCore UR
UP280 - ArmorCore Pro UR
LC280 - ArmorCore LC

GRANDSTAND™

Economy Match: 13.5" L x 13.09" W
Do Not Reverse Sheets

Toffee

AC281 - ArmorCore
AP281 - ArmorCore Pro
AU281 - ArmorCore UR
UP281 - ArmorCore Pro UR
LC281 - ArmorCore LC

ArmorCore®

SANTA FE™

Economy Match: 9" L x 9" W
Do Not Reverse Sheets

Light Breeze

AC980 - ArmorCore
AP980 - ArmorCore Pro
AU980 - ArmorCore UR
UP980 - ArmorCore Pro UR
LC980 - ArmorCore LC

SANTA CRUZ™

Economy Match: 27" L x 18" W
Do Not Reverse Sheets

Down Pillow

AC950 - ArmorCore
AP950 - ArmorCore Pro
AU950 - ArmorCore UR
UP950 - ArmorCore Pro UR
LC950 - ArmorCore LC

SANTA CRUZ™

Economy Match: 27" L x 18" W
Do Not Reverse Sheets

Sterling

AC951 - ArmorCore
AP951 - ArmorCore Pro
AU951 - ArmorCore UR
UP951 - ArmorCore Pro UR
LC951 - ArmorCore LC

TERRACE PAVER™

Economy Match: 18" L x 36" W
Do Not Reverse Sheets

Pale Smoke

AC150 - ArmorCore
AP150 - ArmorCore Pro
AU150 - ArmorCore UR
UP150 - ArmorCore Pro UR
LC150 - ArmorCore LC

TERRACE PAVER™

Economy Match: 18" L x 36" W
Do Not Reverse Sheets

Lighthouse Landing

AC152 - ArmorCore
AP152 - ArmorCore Pro
AU152 - ArmorCore UR
UP152 - ArmorCore Pro UR
LC152 - ArmorCore LC

TERRACE PAVER™

Economy Match: 18" L x 36" W
Do Not Reverse Sheets

Fresh Brew

AC153 - ArmorCore
AP153 - ArmorCore Pro
AU153 - ArmorCore UR
UP153 - ArmorCore Pro UR
LC153 - ArmorCore LC

DuraCeramic Dimensions®

Featuring **Scotchgard** PROTECTOR 3M

Tile size: 12" x 24"

IRON MOUNTAIN™

NEW

DIM00 Flint Gray

NEW

DIM01 Cloudburst

NEW

DIM02 Sedona Sunset

DIM01 Cloudburst

CARAMEL STONE™

NEW

DCS00 Sea Glass

NEW

DCS01 Tradewinds

NEW

DCS02 Bronze Age

ELEMENTAL™

NEW

DEL01 Summer Breeze

NEW

DEL02 Waterfall Cascade

NEW

DEL03 Glowing Ember

PRAIRIE WOOD™

DPW01 Wind Swept

DuraCeramic Dimensions®

Featuring Scotchgard™ Protector 3M

Tile size: 12" x 24"

REVERIE™

DRV01 Wishes

ENERGY™

DFS01 Spark

VISTA™

DVT02 Coastal Fog

DVT04 Cliffside

DVT05 Nocturne

CARRARA™

DCR01 White

ARCHITEXTURE™

DAX02 Gothic Arch

STONE LEDGES™

DSL05 Glint

DSL03 Castle Rock

LONDON MIST™

DLM01 Candle Flame

DLM02 Winter Dawn

DLM03 Thames

DLM04 Night Mantle

TRAVERTINO™

DTV01 Mist

DTV03 Blush

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DuraCeramic Origins®

Featuring **Scotchgard™** PROTECTOR 3M

RIVERBED™

RB10 Splash

DREAMSCAPE™

DS14 Bleached Almond

EARTHPATH™

EP41 Sandy Clay

CHRYSALIS™

CY01 Celestial

CY02 Free Spirit

CY03 Rain Dance

SIERRA SLATE™

SI14 Warm Pewter

SI34 Rain Cloud

SI43 Chocolate

SI47 Flaxen

SI54 Terra Slate

SI74 Golden Greige

PACIFIC MARBLE™

PC11 Pure White

PC14 Light Greige

DuraCeramic Origins®

Tile size: 15.625" x 15.625"

ROMAN ELEGANCE™

RE30 Chateau Gray

RE31 Warm Clay

RE35 Beachcrest

RE43 Light Greige

VILLAGE SLATE™

VS36 Stormy Night

VS74 Swanky Silk

ELEMENTS™

EL05 Sunbreak

EL01 Breeze

EL06 Storm Clouds

EL02 Waterfall

EL03 Ember

EL04 Fossil

RAPOLANO™

RA11 Taffeta White

RA41 Shoreline Mist

RA47 Bisque

RA64 LeMans Sunset

RA74 Desert Chimney

Ovations®

ALABASTER™

AB14 Classic Bisque

AB41 Light Mocha

STONE FORD™

SF14 Almond

SF34 Stone Greige

SF41 Wheat

SF47 Golden Clay

SUNSTONE™

SS11 Stone White

SS47 Sun Beige

SS48 Greige

SS74 Earthen Brown

TEXTURED SLATE™

TE34 Sand

TE39 Bluestone

TE49 Brown

TE54 Clay

TE87 Sage

Structure®

45 DEGREE™

FD14A Sepia Twill

FD14B Sepia Twill

FD15A Charcoal Twill

FD15B Charcoal Twill

FD16A Cocoa Twill
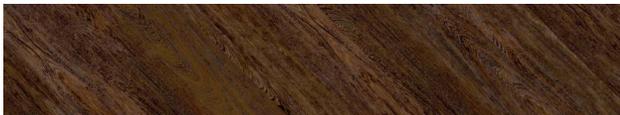
FD16B Cocoa Twill

BARN™

BN210 Aspen White

BN211 Durango Dusk

BN212 Coyote

BN213 Bear Cub

HICKORY™

HK200 Blonde

HK201 Flax

HK202 Fawn

HK203 Bay

HK204 Smoke

IMPRESSIONS™

IM200 Blonde

IM201 Flax

IM202 Fawn

IM203 Bay

IM204 Smoke

Structure®

GALAXY™
Tile size: 18" x 36"

AM101 Nebula

AM102 Meteorite

AM103 Nova

AM104 Starry Night
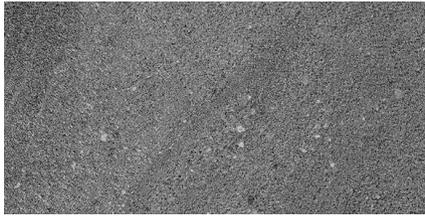
AM105 Cosmos

TERRA NOVA™
Tile size: 18" x 18"

AM110 Pottery

AM111 Alabaster

AM112 Saffron

AM113 Wood Bark

AM114 Shale

AM115 Olive Moss

CRETE™
Tile size: 18" x 18"

AM120 Pavement

AM121 Loft

AM122 Graystone

AM123 Dune

AM124 Sidewalk

Structure®

PIONEER™
Plank size: 7.25" x 48"

UR100 Weathered Cabin

UR101 Frontier

UR102 Rustic Honey

TREK™
Plank size: 7.25" x 48"

UR110 Outback

UR111 Acom

UR112 Timber Wolf

TIMBERLINE™
Plank size: 6" x 48"

UR120 Tundra

UR121 Antler

UR122 Ridge

UR123 Mahogany

UR124 Barkcode

TRAIL™
Plank size: 6" x 48"

UR130 Blaze

UR131 Roots

UR132 Terrain

Impact®

Available in Gluedown or SmartLock

∞ TIMELESS

Plank Sizes:
Impact - 6" x 48" & 7.25" x 48"
Impact Smartlock™ - 5.75" x 47.75" & 7" x 47.75"

HOMESTEAD™
Plank size: 7.25" x 48" I SmartLock: 7" x 47.75"

Golden Pasture
Gluedown: **HD130**
SmartLock: **H130S**

Porch Swing
Gluedown: **HD131**
SmartLock: **H131S**

Silver Brush
Gluedown: **HD132**
SmartLock: **H132S**

Hearthside
Gluedown: **HD133**
SmartLock: **H133S**

Country Night
Gluedown: **HD134**
SmartLock: **H134S**

WHITE OAK™
Plank size: 6" x 48" I SmartLock: 5.75" x 47.75"

Butter
Gluedown: **WK100**
SmartLock: **W100S**

Spiced Tea
Gluedown: **WK101**
SmartLock: **W101S**

Raisin
Gluedown: **WK102**
SmartLock: **W102S**

HIGHLANDS™
Plank size: 7.25" x 48" I SmartLock: 7" x 47.75"

White Wisp
Gluedown: **HS140**
SmartLock: **H140S**

Kilmarnock Sage
Gluedown: **HS141**
SmartLock: **H141S**

Ridgewood
Gluedown: **HS142**
SmartLock: **H142S**

Castlegate
Gluedown: **HS143**
SmartLock: **H143S**

ROSEWOOD™
Plank size: 7.25" x 48" I SmartLock: 7" x 47.75"

Oyster
Gluedown: **RW120**
SmartLock: **R120S**

Roasted Maize
Gluedown: **RW121**
SmartLock: **R121S**

Pretzel
Gluedown: **RW122**
SmartLock: **R122S**

Brownie
Gluedown: **RW123**
SmartLock: **R123S**

Endurance®
Available in Gluedown or SmartLink

OAK™

DARK OAK
Gluedown: **EK046**
SmartLink: **ES046**

DRIFTWOOD
Gluedown: **EK146**
SmartLink: **ES146**

SMOKE EMBERS
Gluedown: **EK156**
SmartLink: **ES156**

RUSTIC™

NUTMEG
Gluedown: **EK076**
SmartLink: **ES076**

GUNSTOCK
Gluedown: **EK086**
SmartLink: **ES086**

MAPLE™

GOLDEN
Gluedown: **EK116**
SmartLink: **ES116**

Triversa®

TIMELESS

URBAN STONE
Tile size: 12" x 24"

TV400 City Sidewalk

TV401 Wet Pavement

INNOVATIVE DESIGN

TV402 Facade

INNOVATIVE DESIGN

TV403 Metro Paver

WILD MORA
Plank size: 5", 7" & 12" mixed x 60"

INNOVATIVE DESIGN

TV100 Créme Brulee

CARRARA
Plank size: 6" x 36"   Slab size: 18" x 48"

TV700 White Frost

INNOVATIVE DESIGN

TV701 White Frost

FOREST DEEP
Plank size: 9" x 60"

INNOVATIVE DESIGN

TV050 Brindle

Triversa®

TIMELESS

CABIN DOOR
Plank size: 6" x mixed lengths 60" / 36" / 24"

INNOVATIVE DESIGN

TV040 Grizzly

LAUREL STAND
Plank size: 7.125" x 48"

TV030 Partridge

TERRENE
Plank size: 6" x 36"

TV500 November Clouds

TV501 Mystic Beige

TV502 Brown Swirl

QUAIL RIDGE
Plank size: 7.125" x 48"
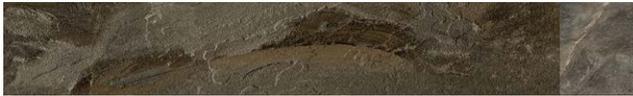
TV020 Twill

ROCKY CREST
Tile size: 12" x 24"

INNOVATIVE DESIGN

TV800 White Wool

INNOVATIVE DESIGN

TV801 Distant Land

OAK GROVE
Plank size: 9" x 60"

TV180 Warm Gray

TV181 Fawn

SANTA MARIA
Plank size: 6" x 48"

INNOVATIVE DESIGN

TV900 Starboard

FUSION™
Plank size: 9" x 48"

TV091 Warm Pewter

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Triversa®

TIMELESS

OAKCREST™
Plank size: 9" x 48"

TV001 Latte

TV002 Gold Wash

ACACIA WOOD™
Plank size: 7.125" x 48"

TV011 Natural

COUNTRY RIDGE
Plank size: 7.125" x 48"

TV010 Autumn Glow

RUSTIC OAK™
Plank size: 7.125" x 48"

TV031 Brown Glaze

ELMWOOD™
Plank size: 7.125" x 48"

TV041 Greige

WALNUT™
Plank size: 7.125" x 48"

TV051 Auburn

MILLENNIUM OAK™
Plank size: 9" x 48"

TV061 Buckhorn

SMOKY OAK™
Plank size: 9" x 48"

TV071 Char

APPLEWOOD™
Plank size: 9" x 48"

TV081 Tannin

TV082 Frosted Coffee

Alternatives™

AL106 Alabaster

AL116 Stark
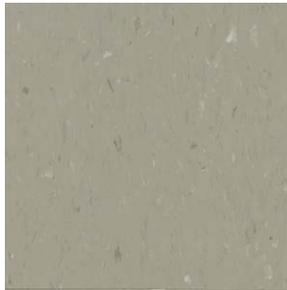
AL126 White Sand

AL136 Warm Stone
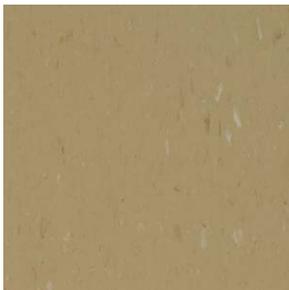
AL146 Latte

AL156 Butter

AL166 Smoky Taupe

AL176 Sable

AL186 Light Camel

AL196 Mink

AL 206 Cirrus

AL216 Sage

AL226 Iceberg

AL236 Pewter

AL246 Slate

AL256 Starry Night

AL266 Tapenade

TRIVERSA™
TRANSITIONS
EXACT MATCH

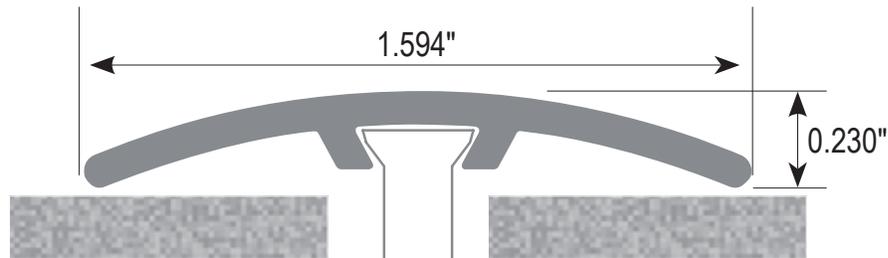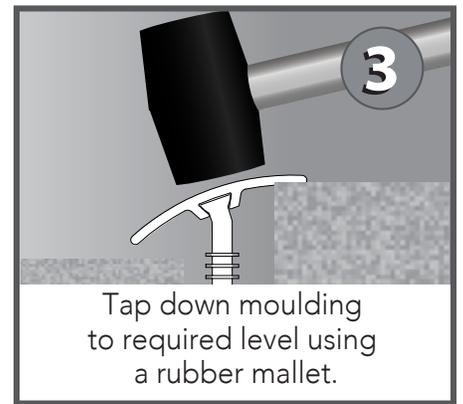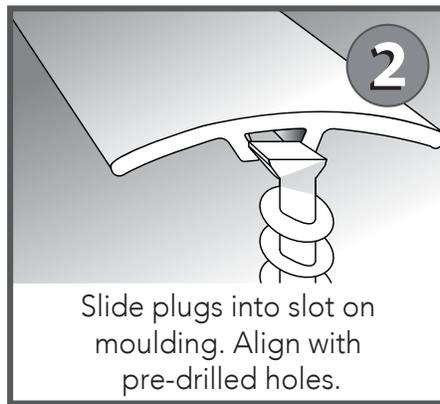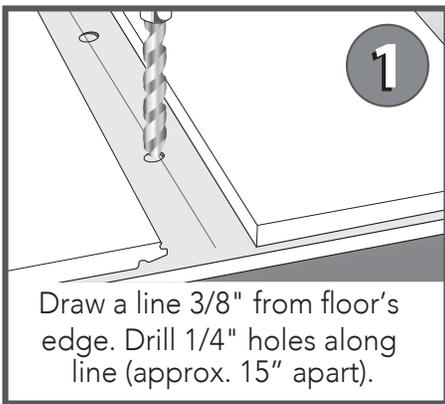| TRIVERSA PATTERN	MULTI-TRIM	STAIR NOSING	THRESHOLD	QUARTER ROUND	FLUSH MOUNT STAIR NOSING
TV001	TTU01	TTS01	TTT01	TQ001	TF001
TV002	TTU02	TTS02	TTT02	TQ002	TF002
TV010	TU010	TN010	TH010	TQ010	TF010
TV011	TTU11	TTS11	TTT11	TQ011	TF011
TV020	TU020	TN020	TH020	TQ020	TF020
TV030	TU030	TN030	TH030	TQ030	TF030
TV031	TTU31	TTS31	TTT31	TQ031	TF031
TV040	TU040	TN040	TH040	TQ040	TF040
TV041	TTU41	TTS41	TTT41	TQ041	TF041
TV050	TU050	TN050	TH050	TQ050	TF050
TV051	TTU51	TTS51	TTT51	TQ051	TF051
TV061	TTU61	TTS61	TTT61	TQ061	TF061
TV071	TTU71	TTS71	TTT71	TQ071	TF071
TV081	TTU81	TTS81	TTT81	TQ081	TF081
TV082	TTU82	TTS82	TTT82	TQ082	TF082
TV091	TTU91	TTS91	TTT91	TQ091	TF091
TV100	TU100	TN100	TH100	TQ100	TF100
TV180	TU180	TN180	TH180	TQ180	TF180
TV181	TU181	TN181	TH181	TQ181	TF181
TV400	TU400	TN400	TH400	TQ400	TF400
TV401	TU401	TN401	TH401	TQ401	TF401
TV402	TU402	TN402	TH402	TQ402	TF402
TV403	TU403	TN403	TH403	TQ403	TF403
TV500	TU500	TN500	TH500	TQ500	TF500
TV501	TU501	TN501	TH501	TQ501	TF501
TV502	TU502	TN502	TH502	TQ502	TF502
TV700	TU700	TN700	TH700	TQ700	TF700
TV701	TU700	TN700	TH700	TQ700	TF700
TV800	TU800	TN800	TH800	TQ800	TF800
TV801	TU801	TN801	TH801	TQ801	TF801
TV900	TU900	TN900	TH900	TQ900	TF900

Congoleum

1.594"

0.230"

Multi-Trim

Transition adjusts to varying levels;
can be used as T-Moulding or Surface Reducer.

1 Draw a line 3/8" from floor's edge. Drill 1/4" holes along line (approx. 15" apart).

2 Slide plugs into slot on moulding. Align with pre-drilled holes.

3 Tap down moulding to required level using a rubber mallet.

Fast and easy to install

- 100% waterproof
- Incredible durability
- Adjusts to any height

- Great for residential or commercial applications
- 94" length - 5 per pack

MADE IN USA

Congoleum®

©2015 Congoleum Corporation

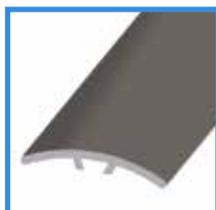|				
CT100 • Shaded White	CT101 • Briar Wood	CT102 • Cabot Trail	CT103 • Gray Fog	CT104 • North Creek Brown
CT105 • Fallen Timber	CT106 • Sherwood Tan	CT107 • Richmond Gold	CT108 • Sedona Brown	CT109 • Glenwood Brown
CT110 • Roxbury Caramel	CT111 • Buckhorn	CT112 • Harvest Bronze	CT113 • Indian River	CT114 • Woodcliff
CT115 • Shorewood	CT116 • Tyler Taupe	CT117 • Pony Brown	CT118 • Sequoia	CT119 • Burlap
CT120 • Rich Earth	CT121 • Hearth Brown	CT122 • Amber Waves	CT123 • Stone Brown	CT124 • Rustic Taupe
CT125 • Dellwood Sand	CT126 • Copley Gray	CT127 • Smoky Ash	CT128 • Winds Breath	CT129 • Dusty Road
CT130 • Beach Point	CT131 • Foggy Brown	CT132 • Putnam Putty		

Custom match moldings are available for any Congoleum pattern. Contact your Congoleum distributor for details.

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 ADHESIVE

UnderFlor DS100 Adhesive is the <u>only</u> adhesive that can be used with DuraCeramic Origins and DuraCeramic Dimensions.

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 Times:
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. Store at room temperature.

Nonflammable / Noncombustible

CAUTION: POTENTIAL SKIN AND EYE IRRITANT

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.

UNDERFLOR® UNDERLAYMENT WITH QUIKSTIK ADHESIVE

A cost-effective, easy-to-use floating floor installation system. Just roll it out, peel back the release liner and start installing the floor. Works with most resilient flooring planks and tiles, including Congoleum DuraCeramic Origins, DuraCeramic Dimensions, Ovations, Impact, and Endurance.

- **Large Roll Order Code: QSUFL** – Contents: 1 roll 56.25" wide x 60 lin. ft. (281.25 sq ft) plus 1 roll tape (1.89" x 60 lin. ft.)

- **Small Roll Order Code: QSUSC** – Contents: 1 roll 56.25" wide x 30 lineal feet (140.63 sq. ft.) plus 1 roll tape (1.89" x 30 lin. ft.)

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

ORIGINAL UNDERFLOR® UNDERLAYMENT

UnderFlor UnderLayment is the all-in-one underlayment system for floating installations of Congoleum DuraCeramic Origins, DuraCeramic Dimensions and Ovations.

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

- **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.

UNDERflor®

SAME GREAT PRODUCTS UNDER A NAME YOU ALREADY TRUST

UNDERFLOR PREMIXED GROUT

UnderFlor Premixed Grout is a stain resistant, crack resistant, easy-to-use, sanded acrylic grout which can be used with most resilient plank and tile flooring, including Congoleum DuraCeramic, and Ovations.

Order Code: Use specific color code

Description: Premixed, sanded acrylic grout

Use: For use with Congoleum DuraCeramic and Ovations flooring in grouting joints 1/8" 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.

UNDERflor®

**SAME GREAT PRODUCTS UNDER
A NAME YOU ALREADY TRUST**

GROUT COVERAGE

JOINT WIDTH	APPROXIMATE COVERAGE	
	16" x 16" Tile	
	14" x 14" Tile	
1/8" (3.2mm)	80 sq. ft/qt. (7.4m^2)	325 sq. ft/gal. (31m^2)
3/16" (4.8mm)	70 sq. ft/qt. (6.5m^2)	275 sq. ft/gal. (26m^2)
1/4" (6.4mm)	55 sq. ft/qt. (5m^2)	225 sq. ft/gal. (21m^2)

CONGOLEUM GROUT COLORS

DG77 Frost

DG14 Biscuit

DG01 Alabaster

DG15 Bone

DG39 Ivory

DG103 Cobblestone

DG02 Pewter

DG27 Silver

DG104 Timberwolf

DG35 Navajo Brown

DG05 Chamois

DG105 Driftwood

DG106 Walnut

DG11 Sahara Beige

**DG107** Iron

DG09 Gray

DG10 Black

UNDERflor®

FLOATING
UNDERLAYMENT
WITH QUIKSTIK® ADHESIVE

WE'VE SPREAD THE GLUE FOR YOU

Fast, Clean, Easy & Done

UnderFlor® floating underlayment with QuikStik adhesive is a cost-effective, easy-to-use floating floor installation system. Just roll it out, peel back the release liner and start installing the floor. Works with most resilient flooring planks and tiles, including Congoleum DuraCeramic Origins and Dimensions, Ovations, Impact, and Endurance.

- No messy adhesive to spread
- No trowel or 100 lb. roller needed
- No waiting for glue to tack up
- Installs easily on top of a variety of subfloors/conditions
- No adhesive waste
- Easy to reposition product and make repairs
- Allows for "dry fitting" when making cuts
- Moisture and alkali resistant
  - Install over concrete with vapor emissions up to 5 lbs. or 80% RH
  - Great for basements and new construction
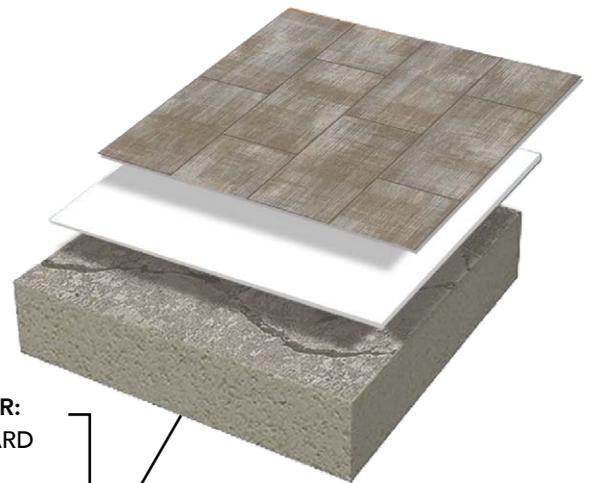
INSTALL OVER:
PARTICLE BOARD
OSB
PLYWOOD
CONCRETE
EXISTING RESILIENT
OLD PAINT
ADHESIVE RESIDUE
GYPSUM

UNDERflor®

SAME GREAT PRODUCTS UNDER
A NAME YOU ALREADY TRUST
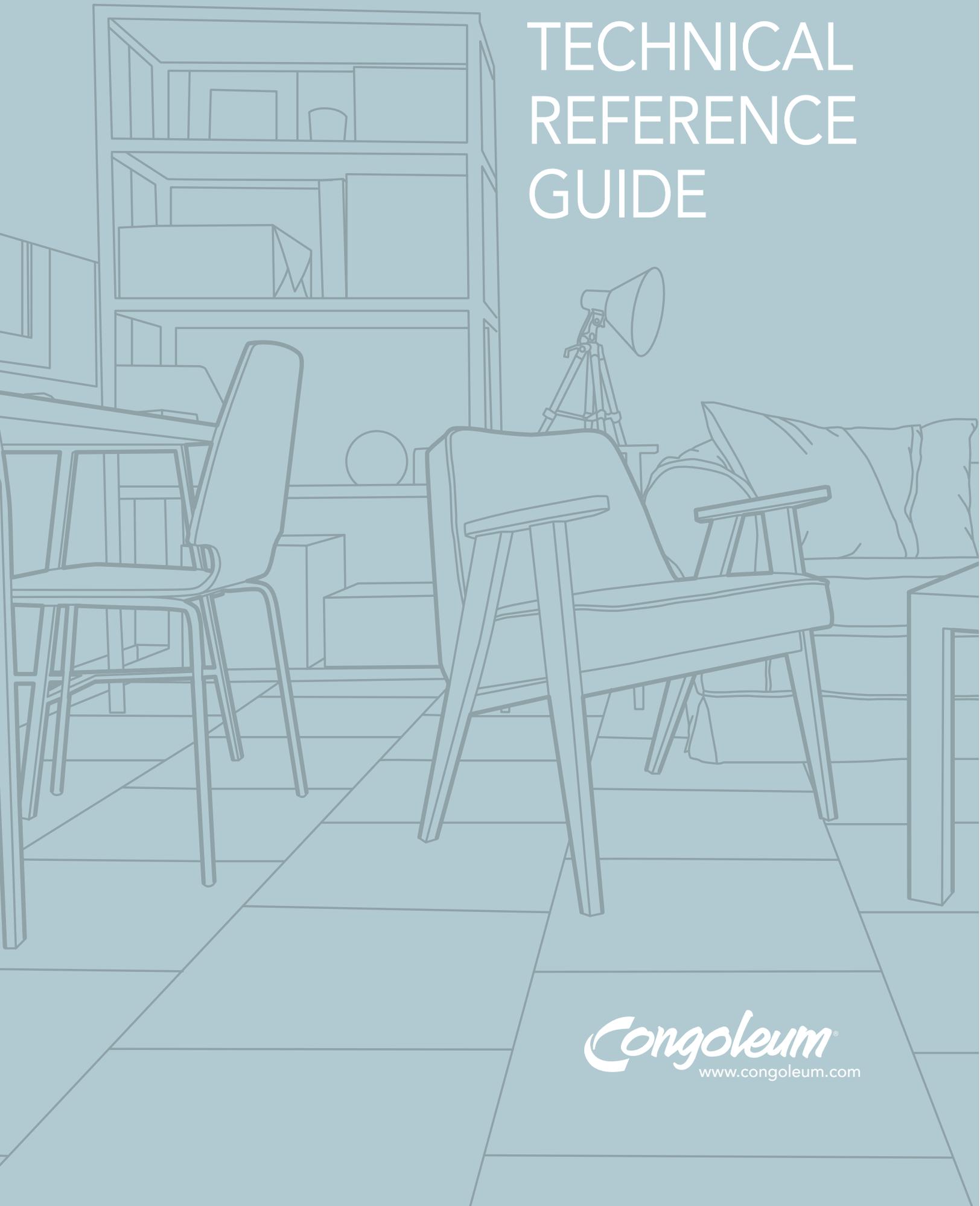
Large Roll Order Code: QSUFL
Contents: 1 roll 56.25" wide x 60 lin. ft. (281.25 sq ft) plus 1 roll tape (1.89" x 60 lin. ft.)
Small Roll Order Code: QSUSC
Contents: 1 roll 56.25" wide x 30 lineal feet (140.63 sq. ft.) plus 1 roll tape (1.89" x 30 lin. ft.)

floor score
CERTIFIED BY SCS Global Services

MADE IN USA

TECHNICAL REFERENCE GUIDE

Congoleum®

www.congoleum.com

Technical Data

Left Table

PATTERN NUMBER	PATTERN NAME	YOUR CHOICE PLUS INSTALL	REVERSE SHEETS	ECONOMY MATCH FOR SEAMING		TRUE DESIGN REPEAT	
				LENGTH	WIDTH	LENGTH	WIDTH
AIRSTEP ADVANTAGE Adhesive: AS-01 Seam Sealer: SU106							
88000 - 88005	Savor	Yes	No	54"	72"	54"	72"
88010 - 88015	Playtime	Yes	No	RANDOM	48"	54"	48"
88030 - 88032	Unwind	Yes	No	27"	13.09"	54"	144"
88041 - 88042	Curious	Yes	No	RANDOM	36"	54"	72"
88050 - 88054	Wonder	Yes	No	6"	36"	54"	144"
88060 - 88063	Reminisce	Yes	No	9"	48"	54"	48"
88090 - 88093	Serene	Yes	No	RANDOM	36"	54"	36"
88100 - 88102	Whimsical	Yes	No	RANDOM	36"	54"	36"
AIRSTEP EVOLUTION Adhesive: AS-01 Seam Sealer: SU106							
72000 - 72006	Terrace	Yes	No	18"	36"	54"	108"
72010 - 72019	Colonial Plank	Yes	No	RANDOM	36"	54"	72"
72044 - 72047	Cozumel	Yes	No	18"	27"	54"	72"
72050 - 72055	Grand Canyon	Yes	No	13.5"	13.09"	54"	78.54"
72060 - 72062	Fair Wind	Yes	No	27"	72"	54"	72"
72063 - 72067	Rendezvous	Yes	No	27"	9"	54"	72"
72080 - 72084	Pathways	Yes	No	27"	36"	54"	72"
72090 - 72091	Traverstone	Yes	No	27"	13.09"	54"	144"
72101 - 72105	Forest Valley	Yes	No	RANDOM	8"	54"	48"
72120 - 72123	Rockport	Yes	No	RANDOM	48"	54"	48"
72130 - 72133	Acacia	Yes	No	RANDOM	36"	54"	36"
72141	Casa Nova	Yes	No	27"	13.09"	54"	144"
72150	Kaleidoscope	Yes	No	18"	36"	54"	108"
72170 - 72173	Contour	Yes	No	27"	36"	54"	72"
72181 - 72184	Vintage Barnwood	Yes	No	13.5"	9"	54"	72"
72190 - 72193	Bricklane	Yes	No	27"	36"	54"	72"
72200 - 72203	Oakstand	Yes	No	RANDOM	8"	54"	72"
AIRSTEP PLUS Adhesive: AS-01 Seam Sealer: SU106							
58005 - 58008	Woodland	Yes	No	9"	9"	54"	72"
58010 - 58013	Satin Cloud	Yes	No	27"	72"	54"	72"
58020 - 58027	Starlight	Yes	No	27"	26.18"	54"	26.18"
58040 - 58041	Western Slate	Yes	No	27"	36"	54"	72"
58081 - 58082	Crossing	Yes	No	54"	72"	54"	72"
58100 - 58102	Oxford Square	Yes	No	6"	6"	54"	108"
58110 - 58111	Horizon	Yes	No	27"	13.09"	54"	52.36"
58120	Edgewood	Yes	No	RANDOM	36"	54"	72"
58130 - 58132	Topside	Yes	No	RANDOM	9"	54"	108"
58140 - 58142	Linea	Yes	No	27"	12"	54"	48"
58160	Jamestown Plank	Yes	No	RANDOM	36"	54"	72"
58170 - 58171	Smokehouse Timber	Yes	No	RANDOM	36"	54"	36"
58180 - 58182	Canyon Bower	Yes	No	RANDOM	8"	54"	72"
ARMORCORE Adhesive: 3044 Seam Sealer: SU80 or SU92							
AC131 - AC133	Woodridge	Yes*	No	9"	9"	54"	72"
AC150 - AC153	Terrace Paver	Yes*	No	18"	36"	54"	108"
AC241	Loft	Yes*	No	RANDOM	36"	54"	72"
AC300 - AC301	Around The Block	Yes*	No	18"	18"	54"	72"
AC411 - AC412	Oak Run	Yes*	No	RANDOM	48"	54"	48"
AC430 - AC432	Valley Path	Yes*	No	27"	39.5"	54"	144"
AC500 - AC502	Farmhouse Timber	Yes*	No	RANDOM	36"	54"	72"
AC600 - AC604	Contempo	Yes*	No	6"	6"	54"	108"
AC812 - AC814	Ethereal	Yes*	No	27"	72"	54"	72"
AC830 - AC831	Your Point	Yes*	No	RANDOM	RANDOM	54"	72"
AC901 - AC903	Canyon View	Yes*	No	27"	36"	54"	72"
AC950 - AC951	Santa Cruz	Yes*	No	27"	18"	54"	144"
AC980	Santa Fe	Yes*	No	9"	9"	54"	72"

Right Table

PATTERN NUMBER	PATTERN NAME	YOUR CHOICE PLUS INSTALL	REVERSE SHEETS	ECONOMY MATCH FOR SEAMING		TRUE DESIGN REPEAT	
				LENGTH	WIDTH	LENGTH	WIDTH
ARMORCORE PRO Adhesive: AS-01 Seam Sealer: SU80 or SU92							
AP131 - AP133	Woodridge	Yes	No	9"	9"	54"	72"
AP150 - AP153	Terrace Paver	Yes	No	18"	36"	54"	108"
AP241	Loft	Yes	No	RANDOM	36"	54"	72"
AP300 - AP301	Around The Block	Yes	No	18"	18"	54"	72"
AP411 - AP412	Oak Run	Yes	No	RANDOM	48"	54"	48"
AP430 - AP432	Valley Path	Yes	No	27"	39.5"	54"	144"
AP500 - AP502	Farmhouse Timber	Yes	No	RANDOM	36"	54"	72"
AP600 - AP604	Contempo	Yes	No	6"	6"	54"	108"
AP812 - AP814	Ethereal	Yes	No	27"	72"	54"	72"
AP830 - AP831	Your Point	Yes	No	RANDOM	RANDOM	54"	72"
AP901 - AP903	Canyon View	Yes	No	27"	36"	54"	72"
AP950 - AP951	Santa Cruz	Yes	No	27"	18"	54"	144"
AP980	Santa Fe	Yes	No	9"	9"	54"	72"
ARMORCORE UR Adhesive: 3044 Seam Sealer: SU106							
AU131 - AU133	Woodridge	Yes*	No	9"	9"	54"	72"
AU150 - AU153	Terrace Paver	Yes*	No	18"	36"	54"	108"
AU241	Loft	Yes*	No	RANDOM	36"	54"	72"
AU300 - AU301	Around The Block	Yes*	No	18"	18"	54"	72"
AU411 - AU412	Oak Run	Yes*	No	RANDOM	48"	54"	48"
AU430 - AU432	Valley Path	Yes*	No	27"	39.5"	54"	144"
AU500 - AU502	Farmhouse Timber	Yes*	No	RANDOM	36"	54"	72"
AU600 - AU604	Contempo	Yes*	No	6"	6"	54"	108"
AU812 - AU814	Ethereal	Yes*	No	27"	72"	54"	72"
AU830 - AU831	Your Point	Yes*	No	RANDOM	RANDOM	54"	72"
AU901 - AU903	Canyon View	Yes*	No	27"	36"	54"	72"
AU950 - AU951	Santa Cruz	Yes*	No	27"	18"	54"	144"
AU980	Santa Fe	Yes*	No	9"	9"	54"	72"
ARMORCORE PRO UR Adhesive: AS-01 Seam Sealer: SU106							
UP131 - UP133	Woodridge	Yes	No	9"	9"	54"	72"
UP150 - UP153	Terrace Paver	Yes	No	18"	36"	54"	108"
UP241	Loft	Yes	No	RANDOM	36"	54"	72"
UP300 - UP301	Around The Block	Yes	No	18"	18"	54"	72"
UP411 - UP412	Oak Run	Yes	No	RANDOM	48"	54"	48"
UP430 - UP432	Valley Path	Yes	No	27"	39.5"	54"	144"
UP500 - UP502	Farmhouse Timber	Yes	No	RANDOM	36"	54"	72"
UP600 - UP604	Contempo	Yes	No	6"	6"	54"	108"
UP812 - UP814	Ethereal	Yes	No	27"	72"	54"	72"
UP830 - UP831	Your Point	Yes	No	RANDOM	RANDOM	54"	72"
UP901 - UP903	Canyon View	Yes	No	27"	36"	54"	72"
UP950 - UP951	Santa Cruz	Yes	No	27"	18"	54"	144"
UP980	Santa Fe	Yes	No	9"	9"	54"	72"
ARMORCORE LC Adhesive: AS-01 Seam Sealer: SU106							
LC131 - LC133	Woodridge	Yes	No	9"	9"	54"	72"
LC150 - LC153	Terrace Paver	Yes	No	18"	36"	54"	108"
LC241	Loft	Yes	No	RANDOM	36"	54"	72"
LC300 - LC301	Around The Block	Yes	No	18"	18"	54"	72"
LC411 - LC412	Oak Run	Yes	No	RANDOM	48"	54"	48"
LC430 - LC432	Valley Path	Yes	No	27"	39.5"	54"	144"
LC500 - LC502	Farmhouse Timber	Yes	No	RANDOM	36"	54"	72"
LC600 - LC604	Contempo	Yes	No	6"	6"	54"	108"
LC812 - LC814	Ethereal	Yes	No	27"	72"	54"	72"
LC830 - LC831	Your Point	Yes	No	RANDOM	RANDOM	54"	72"
LC901 - LC903	Canyon View	Yes	No	27"	36"	54"	72"
LC950 - LC951	Santa Cruz	Yes	No	27"	18"	54"	144"
LC980	Santa Fe	Yes	No	9"	9"	54"	72"

* Your Choice - Fully adhere or perimeter fasten

Technical Data
Residential Resilient Sheet Flooring

| Product | Construction | Packaging | | Shipping Weight | | Applicable Federal Specifications* | Warranty |
		Width	S/Y	Per Unit	Per Package		
AIRSTEP ADVANTAGE featuring Scotchgard™ Protector	*UltraTec Construction* **Wearlayer:** Vinyl Resin and Urethane with Aluminum Oxide **Cushion:** High Density Vinyl Foam **Inner Liner:** White Shield Filled Fibrous Composition **Backing:** Dense Vinyl Composition	12'	80-130	4.35 lbs. per S/Y	536 lbs. Avg.	ASTM F1303 Type I Grade 2 Class B	**Residential:** AirStep Lifetime Limited Warranty
AIRSTEP EVOLUTION featuring Scotchgard™ Protector	*UltraTec Construction* **Wearlayer:** Vinyl Resin and Urethane with Aluminum Oxide **Cushion:** High Density Vinyl Foam **Inner Liner:** White Shield Filled Fibrous Composition **Backing:** Dense Vinyl Composition	12'	80-150	4.05 lbs. per S/Y	571 lbs. Avg.	ASTM F1303 Type I Grade 3 Class B	**Residential:** AirStep 50 Year Limited Warranty
AIRSTEP PLUS featuring Scotchgard™ Protector	*UltraTec Construction* **Wearlayer:** Vinyl Resin and Urethane **Cushion:** High Density Vinyl Foam **Inner Liner:** White Shield Filled Fibrous Composition **Backing:** Dense Vinyl Composition	12'	80-160	3.41 lbs. per S/Y	500 lbs. Avg.	ASTM F1303 Type I Grade 2 Class B	**Residential:** AirStep 20 Year Limited Warranty
ARMORCORE Matte Finish Wearlayer	*ArmorGuard Construction* **Wearlayer:** Low Gloss Vinyl Resin Composition **Cushion:** High Density Vinyl Foam **Backing:** White Shield Filled Fibrous Composition *BAC STOP Protection*	6'	40-130	2.71 lbs. per S/Y	257 lbs. Avg.	ASTM F1303 Type I Grade 3 Class A	**Residential:** 5 Year Limited Warranty
		12'	80-190	2.71 lbs. per S/Y	490 lbs. Avg.		
ARMORCORE PRO Matte Finish Wearlayer	*UltraTec Construction* **Wearlayer:** Low Gloss Vinyl Resin Composition **Cushion:** High Density Vinyl Foam **Backing:** Fibrous Felt Inner Layer and Dense Flexible Vinyl Composite Backing	6'	40-130	2.9 lbs. per S/Y	244 lbs. Avg.	ASTM F1303 Type I Grade 3 Class B	**Residential:** 5 Year Limited Warranty
		12'	80-170	2.9 lbs. per S/Y	475 lbs. Avg.		
ARMORCORE UR Matte Finish Wearlayer SDS - Stain Defense System	*ArmorGuard Construction* **Wearlayer:** Vinyl Resin and Urethane **Cushion:** High Density Vinyl Foam **Backing:** White Shield Filled Fibrous Composition *BAC STOP Protection*	6'	40-130	2.71 lbs. per S/Y	265 lbs. Avg.	ASTM F1303 Type I Grade 3 Class A	**Residential:** 10 Year Limited Warranty
		12'	80-190	2.71 lbs. per S/Y	517 lbs. Avg.		
ARMORCORE PRO UR Matte Finish Wearlayer SDS - Stain Defense System	*UltraTec Construction* **Wearlayer:** Vinyl Resin and Urethane **Cushion:** High Density Vinyl Foam **Backing:** Fibrous Felt Inner Layer and Dense Flexible Vinyl Composite Backing	6'	40-130	3.3 lbs. per S/Y	270 lbs. Avg.	ASTM F1303 Type I Grade 3 Class B	**Residential:** 10 Year Limited Warranty
		12'	80-175	3.3 lbs. per S/Y	509 lbs. Avg.		
ARMORCORE LC Matte Finish Wearlayer SDS - Stain Defense System	*UltraTec Construction* **Wearlayer:** Vinyl Resin and Urethane **Cushion:** High Density Vinyl Foam **Backing:** Fibrous Felt Inner Layer and Dense Flexible Vinyl Composite Backing	6'	40-130	3.3 lbs. per S/Y	207 lbs. Avg.	ASTM F1303 Type I Grade 1 Class B	**Residential:** 25 Year Limited Warranty
		12'	80-140	3.3 lbs. per S/Y	532 lbs. Avg.		

*5 Year Light Commercial Limited Warranty

floor score
*SCScertified.

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.

3

Technical Data DuraCeramic Origins and DuraCeramic Dimensions

Product	Construction	Gauge (Nominal)	Size (Nominal)	Packaging			Carton Weight	DS100 Adhesive	DuraCeramic Premixed Grout	Warranty
				Sq. Ft. per carton	Pieces per carton	cartons per pallet				
DURACERAMIC ORIGINS featuring Scotchgard™ Protector	Nano-composite surface glaze, reinforced with Nylon particles, Limestone composite base	.160"	15.625" x 15.625"	17	10	48	30.5 lbs.	Yes	Yes	**Residential:** Lifetime Limited Warranty*
DURACERAMIC DIMENSIONS featuring Scotchgard™ Protector	Nano-composite surface glaze, reinforced with Nylon particles, Limestone composite base	.160"	12" x 24"	20	10	36	36 lbs.	Yes	Yes	**Residential:** Lifetime Limited Warranty*

Residential Tile and Plank

Product	Construction	Gauge (Nominal)	Size (Nominal)	Packaging			Carton Weight	AD32 or DS100 Adhesive	DuraCeramic Premixed Grout	Warranty
				Sq. Ft. per carton	Pieces per carton	cartons per pallet				
OVATIONS	Nano-composite surface glaze, Limestone composite base	.140"	14" x 14"	20.4	15	45	32.7 lbs.	Yes	Yes	**Residential:** 20 Year Limited Warranty

Commercial Composition Tile

Product	Wearlayer	Gauge	Packaging			Carton Weight	Static Load Limit ***	Federal Specifications	AD42 Adhesive	Warranty
			Sq. Ft. per carton	Pieces per carton	cartons per pallet					
ALTERNATIVES	Vinyl Composition	.125"	45	45	45	64 lbs.	250 lbs. per sq. inch	ASTM F 1066 Class II	Yes	**Residential:** 10 Year Limited Warranty**

NOTES:

All products listed above pass N.B.S. Smoke Density testing (ASTM E662-450 or less).

All products listed pass Critical Radiant Flux (ASTM E648-0.45 w/cm2 or greater).

* DuraCeramic Origins and DuraCeramic Dimensions when installed in a light commercial application, carry a Five-Year Light Commercial Limited Warranty.

** Alternatives, when installed in a commercial application, carries 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 hours.

Technical Data

Timeless Luxury Vinyl Tile and Plank

TRIVERSA™ and **TRIVERSA ID**

Product	Wearlayer	Gauge	Size	Packaging			Carton Weight	Static Load Limit	Warranty
				Sq. Ft. per carton	Pieces per carton	cartons per pallet			
TRIVERSA 7.125" x 48"	20 mil (0.5 mm) High Performance Urethane	8mm .310"	7.125" x 48"	28.52	12	40	47.8 lbs.	Passes 250 psi	**Residential**: Lifetime **Commercial**: 10 Year Limited Warranty
TRIVERSA 9" x 48"	20 mil (0.5 mm) High Performance Urethane		9" x 48"	29.94	10	40	50.2 lbs.		
TRIVERSA 6" x 36"	20 mil (0.5 mm) High Performance Urethane Finish		6" x 36"	20.55	14	48	34.76 lbs.		
TRIVERSA ID 18" x 48"	20 mil (0.5 mm) High Performance Urethane Finish		18" x 48"	24.68	4	44	41.55 lbs.		
TRIVERSA and TRIVERSA ID 12" x 24"	20 mil (0.5 mm) High Performance Urethane Finish		12" x 24"	24.03	12	48	40.5 lbs.		
TRIVERSA ID 9" x 60"	20 mil (0.5 mm) High Performance Urethane Finish		9" x 60"	29.84	8	40	50 lbs.		
TRIVERSA ID 5", 7", 12" x 60"	20 mil (0.5 mm) High Performance Urethane Finish		mixed width (5", 7", 12") x 60"	30.04	9	36	50.32 lbs.		
TRIVERSA ID 6"x 60", 36", 24"	20 mil (0.5 mm) High Performance Urethane Finish		6" x mixed length (60", 36", 24")	24.38	10	48	40.6 lbs.		

NOTES:

All products listed pass Critical Radiant Flux (ASTM E648-0.45 w/cm2 or greater).

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

Triversa is not recommended for use on ramps, in commercial areas that require static dissipative flooring, or in commercial areas where the surface temperature over radiant heated substrate exceeds 85° F. Triversa is intended only for indoor applications.

UnderFlor AD62 adhesive must be used when heavy static or rolling loads are present or where high performance requirements must be met.

Technical Data

Timeless Luxury Vinyl Tile and Plank

STRUCTURE

Product	Wearlayer	Gauge	Size	Sq. Ft. per carton	Pieces per carton	cartons per pallet	Carton Weight	Static Load Limit	Federal Specifications	AD-32 Pressure Sensitive Adhesive	AD-62 Wet Set Adhesive	Warranty
STRUCTURE TILE 18" x 36"	.020" High Performance Urethane Aluminum Oxide	.120"	18" x 36"	36	8	52	40 lbs.	Exceeds 2,500 psi	ASTM F 1700 Class III, Type B	Yes	Yes	**Residential**: Lifetime **Commercial**: 10 Year Limited Warranty
STRUCTURE TILE 18" x 18"			18" x 18"	36	16		42 lbs.			Yes	Yes	
STRUCTURE PLANK 6" x 48"			6" x 48"	36	18		42 lbs.			Yes	Yes	
STRUCTURE PLANK 7.25" x 48"			7.25" x 48"	36.25	15		42 lbs.			Yes	Yes	
STRUCTURE PLANK 9" x 48"			9" x 48"	36	12		42 lbs.			Yes	Yes	

IMPACT

Product	Wearlayer	Gauge	Size	Sq. Ft. per carton	Pieces per carton	cartons per pallet	Carton Weight	Static Load Limit	Federal Specifications	AD-32 Pressure Sensitive Adhesive	AD-62 Wet Set Adhesive	Warranty
IMPACT 7.25" x 48"	.012" High Performance Urethane	.100"	7.25" x 48"	38.67	16	52	36.9 lbs.	Exceeds 250 psi	ASTM F 1700 Class III, Type B	Yes	Yes	**Residential**: 25 Year **Light Commercial**: 7 Year Limited Warranty
IMPACT 6" x 48"		.100"	6" x 48"	36	18	55	34.4 lbs.			Yes	Yes	
IMPACT SMARTLOCK 7" x 47.75"		.128"	7" x 47.75"	37.14	16	40	40 lbs.			N/A	N/A	
IMPACT SMARTLOCK 5.75" x 47.75"		.128"	5.75" x 47.75"	30.51	16	50	39 lbs.			N/A	N/A	

ENDURANCE

Product	Wear-layer	Gauge	Size	Sq. Ft. per carton	Pieces per carton	cartons per pallet	Carton Weight	Static Load Limit	Federal Specifications	AD-32 Pressure Sensitive Adhesive	AD-62 Wet Set Adhesive	Warranty
ENDURANCE 6" x 36"	.008" Urethane Finish	.080"	6" x 36"	36	24	72	27 lbs.	Exceeds 250 psi	ASTM F 1700 Class III, Type B	Yes	Yes	**Residential**: 10 Year **Light Commercial**: 5 Year Limited Warranty
ENDURANCE SMARTLINK 6" x 36"	.005" Urethane Finish	.120"	6" x 36"	24	16	64	26.5 lbs.			N/A	N/A	

NOTES:

* All products listed above pass N.B.S. Smoke Density testing (ASTM E662-450 or less).
All products listed pass Critical Radiant Flux (ASTM E648-0.45 w/cm2 or greater).

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

DESIGN NAME	SKU	GROUT CHOICE 1	GROUT CHOICE 2
ARCHITEXTURE	DAX02	DG11	DG107
CARRARA	DCR01	DG77	DG103
CARAMEL STONE	DCS00	DG14	DG39
	DCS01	DG105	DG39
	DCS02	DG01	DG103
CHRYSALIS	CY01	DG77	DG14
	CY02	DG39	DG01
	CY03	DG02	DG107
DREAMSCAPE	DS14	DG01	DG77
EARTHPATH	EP41	DG02	DG05
ELEMENTAL	DEL01	DG77	DG15
	DEL02	DG27	DG106
	DEL03	DG35	DG39
ELEMENTS	EL01	DG39	DG35
	EL02	DG107	DG11
	EL03	DG105	DG11
	EL04	DG107	DG11
	EL05	DG104	DG107
	EL06	DG104	DG35
ENERGY	DFS01	DG107	DG11
IRON MOUNTAIN	DIM00	DG27	DG107
	DIM01	DG106	DG05
	DIM02	DG77	DG103
LONDON MIST	DLM01	DG02	DG35
	DLM02	DG77	DG01
	DLM03	DG10	DG107
	DLM04	DG09	DG39
PACIFIC MARBLE	PC11	DG77	DG01
	PC14	DG77	DG01
PRAIRIE WOOD	DPW01	DG11	DG107
RAPOLANO	RA11	DG14	DG01
	RA41	DG14	DG01
	RA47	DG15	DG39
	RA64	DG05	DG35
	RA74	DG39	DG15
REVERIE	DRV01	DG27	DG103
RIVERBED	RB10	DG27	DG107
ROMAN ELEGANCE	RE30	DG77	DG103
	RE31	DG15	DG39
	RE35	DG105	DG106
	RE43	DG01	DG39
SIERRA SLATE	SI14	DG39	DG01
	SI34	DG107	DG11
	SI43	DG11	DG106
	SI47	DG05	DG105
	SI54	DG05	DG105
	SI74	DG39	DG15
STONE LEDGES	DSL03	DG107	DG11
	DSL05	DG35	DG15
TRAVERTINO	DTV01	DG39	DG01
	DTV03	DG35	DG15
VILLAGE SLATE	VS36	DG107	DG11
	VS74	DG35	DG05
VISTA	DVT02	DG39	DG35
	DVT04	DG107	DG09
	DVT05	DG10	DG27

UNDERflor®

SAME GREAT PRODUCTS UNDER A NAME YOU ALREADY TRUST

UNDERflor®
GROUT
PREMIXED, SANDED PREMIUM ACRYLIC GROUT
SABLE PRÉMÉLANGÉ COULIS ACRYLIQUE PREMIUM
PREMEZCLADOS, LIJADA PREMIUM ACRYLIC GROUT
FOR VINYL TILE & PLANK FLOORING
1 U.S. GAL. (3.78 L)

PREMIUM PREMIXED GROUT COLORS

DG77 FROST	
DG14 BISCUIT	
DG01 ALABASTER	
DG15 BONE	
DG39 IVORY	
DG103 COBBLESTONE	
DG02 PEWTER	
DG27 SILVER	
DG104 TIMBERWOLF	
DG35 NAVAJO BROWN	
DG05 CHAMOIS	
DG105 DRIFTWOOD	
DG106 WALNUT	
DG11 SAHARA BEIGE	
DG107 IRON	
DG09 GRAY	
DG10 BLACK	

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:

- **ArmorCore UR**
- **ArmorCore**

YOUR CHOICE PLUS INSTALLATION

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

The products covered under *Your Choice Plus* are:

- **AirStep Advantage**
- **AirStep Evolution**
- **AirStep Plus**
- **ArmorCore LC**
- **ArmorCore Pro UR**
- **ArmorCore Pro**.

For complete installation information and installation videos, visit us online at *www.congoleum.com*.

RESIDENTIAL 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.

COMMERCIAL FLOOR CARE PRODUCTS

Bright 'N Easy Commercial No-Rinse Cleaner

Order Code: 5001C   Size: 5 gallon pail, 1 pail/ctn.

Bright 'N Easy Commercial Floor Polish

Order Code: 5002C   Size: 5 gallon pail, 1 pail/ctn.

Bright 'N Easy Commercial Floor Polish Remover

Order Code: 5003C   Size: 5 gallon pail, 1 pail/ctn.

INSTALLATION ACCESSORIES

QUIKSTIK TAPE

Order Code: QS120

A double-sided tape for use with Your Choice Plus installation 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.

ENDURANCE WITH SMARTLINK ADHESIVE FILM

Order Code: CF910

For use with Endurance 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 Origins, DuraCeramic Dimensions, Endurance, Impact 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.]).

DURACERAMIC INSTALLATION ACCESSORY KIT

Order Code: DD01

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

QUIKSTIK UNDERFLOR UNDERLAYMENT

The all-in-one underlayment system with pre-applied adhesive for floating installations of Congoleum DuraCeramic Origins, DuraCeramic Dimensions, Endurance, Impact and Ovations products.

Large Roll Order Code: QSUFL – Contents: 1 roll 56.25" wide x 60 lin. ft. (281.25 sq ft) plus 1 roll tape (1.89" x 60 lin. ft.)

Small Roll Order Code: QSUSC – Contents: 1 roll 56.25" wide x 30 lineal feet (140.63 sq. ft.) plus 1 roll tape (1.89" x 30 lin. ft.)

UNDERflor®

SAME GREAT PRODUCTS UNDER A NAME YOU ALREADY TRUST

Congoleum Adhesives

	3044 Premium Flooring Adhesive	AD-42 Clear Thin-Spread Adhesive	AD-32 Adhesive	AD62 Commercial Flooring Adhesive	AS-01 AirStep Adhesive	DS100 DuraSet Adhesive
ORDER CODE	03044	AD42	AD32	AD62	AS01	DS100
Use	ArmorCore UR ArmorCore	Alternatives	Structure* Ovations Impact* Endurance	Structure Impact	AirStep Advantage AirStep Evolution AirStep Plus ArmorCore Pro UR ArmorCore Pro ArmorCore LC	DuraCeramic Origins DuraCeramic Dimensions Ovations Structure* Impact* Endurance
Tracers	Green / Ultramarine	Red / Green	Green	None	Navy Blue	Dark Red
Advantages	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.	Hard setting, restricts indentation and thermal dimensional changes, moisture and alkali resistant.	Moisture and alkali resistant, good initial tack, solvent free, low odor.	Moisture and alkali resistant, develops high initial tack, solvent free, low odor.
Types	Water based, Latex	Pressure sensitive, Water based, Latex	Pressure sensitive, Water based, Acrylic	Wet set, Water based, Acrylic	Transitional Water based, Acrylic	Pressure sensitive, Water based, Acrylic
Subfloors	Dry concrete on all grade levels, suspended wood floors, metal, terrazzo, ceramic, marble, approved resilient floor covering, and suitable portland cement-based	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, cement, terrazzo, and portland cement-based leveling products	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
Trowel	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	**Porous Substrates:** 1/16" wide x 1/16" deep x 1/32" apart - square-notch **Non-Porous Substrates:** 1/32" wide x 1/32" deep x 1/32" apart - U-notch	1/16" wide x 1/32" deep x 1/32" apart (For all AirStep products on non-porous subfloors, apply with 1/4" nap paint roller.)	1/16" wide x 1/32" deep x 1/32" apart, trowel blade adaptor included
Working Time	15 - 20 minutes	6 hours **Dry to tack** - 1 hour	6 hours **Dry to tack** - 30-60 minutes under normal conditions	Up to 20-30 minutes depending on substrate porosity	**Wet:** 15-20 minutes **Dry to tack:** 15-30 minutes under normal conditions	12 hours **Dry to tack** - 45-60 minutes under normal conditions
Spread Rate	**Fully Adhered:** *200-270 sq. ft./gal.* **Perimeter, 4" band:** *750 lin. ft./gal.* **Perimeter, 6" band:** *500 lin. ft./gal.* **Seams, 8" band:** *375 lin. ft./gal*	*200 - 300 sq. ft./gal.*	*200 - 250 sq. ft./gal.*	**Porous Substrates:** Trowel Notch: 1/16" wide x 1/16" deep x 1/16" apart *125 - 150 sq. ft./gal.* **Non-Porous Substrates:** Trowel Notch: 1/32" wide x 1/16" deep x 1/32" apart *185 - 245 sq. ft./gal.*	**Fully Adhered:** Trowel: *200-250 sq. ft./gal.* Paint Roller: *300-350 sq. ft./gal.* **Loose Lay Seams:** 4" Band: *750 lin. ft./gal.* **Loose Lay and Perimeter Fasten Seams:** 6" Band: *500 lin. ft./gal.*	*200-250 sq. ft./gal.*
Freeze / Thaw Stable	Yes	Yes	Yes	Yes	Yes	Yes
Flammability	Nonflammable	Nonflammable	Nonflammable	Nonflammable	Nonflammable	Nonflammable
Cleanup	**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§	**Wet:** Soap and Water **Dry:** Clean cloth dampened with mineral spirits§
Shelf Life	1 year if unopened	1 year if unopened	1 year if unopened	1 year if unopened	1 year if unopened	1 year if unopened
Sizes	1 gal. (4/ctn.), 4 gal.	1 gal. (4/ctn.), 4 gal.	1 gal. (4/ctn.), 4 gal.	4 gal.	Qt. (12/ctn.), 1 gal. (4/ctn.), 4 gal.	Qt. (12/ctn.), 1 gal. (4/ctn.), 4 gal.

3044, AD42, AS01, DS100, AD62 and AD32 Adhesives - **Warning**: Eye and skin irritant.

§ **Caution**: Mineral spirits are flammable.

* AD32 is recommended for residential and light commercial applications of Structure and Impact.

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Congoleum Seam Sealers

ORDER CODE	SU092 Seam Sealer	SU080 Seam Sealer Kit	SU106 Seam Sealer Kit
USE	Used to seal seams on: • **ArmorCore Pro** • **ArmorCore** *TO70 Applicator Kit is required.*	Used to seal seams on: • **ArmorCore Pro** • **ArmorCore** *TO70 Applicator Kit is required.*	Used to seal seams on: • **AirStep Advantage** • **ArmorCore LC** • **AirStep Evolution** • **ArmorCore Pro UR** • **AirStep Plus** • **ArmorCore UR** *TO70 Applicator Kit is required.*
TACK FREE	20 minutes	20 minutes	2 hours
SET-UP TIME	2 hours	2 hours	16 hours
COVERAGE	200 lin. ft.	50 lin. ft / kit	70 lin. ft. / kit
FREEZE / THAW STABLE	Not affected by freezing	Not affected by freezing	Not affected by freezing
CLEANUP	Wet: Blot with cloth dampened with mineral spirits. Dry: Not removable.	Wet: Blot with cloth dampened with mineral spirits. Dry: Not removable.	Wet: Blot with cloth dampened with mineral spirits. Dry: Not removable.
SHELF LIFE	Two years if unopened	Two years if unopened	One year if unopened
SIZES	8 fl. oz. can (12 cans/carton)	2 fl. oz. can (12 cans/carton)	2 fl. oz. can (6 cans/carton)

SU092, SU080 and SU106 - WARNING: Flammable liquids; vapor harmful; eye and skin irritant.

UNDERflor®

**SAME GREAT PRODUCTS UNDER
A NAME YOU ALREADY TRUST**

ULTRATEC®
INSTALLATION INSTRUCTIONS

AirStep Advantage® • AirStep Evolution®
AirStep Plus® • ArmorCore™ Pro UR • ArmorCore™ Pro

Congoleum®

INSTALLATION INSTRUCTIONS

UltraTec 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 UnderFlor AS01 Adhesive or QuikStik Tape.

ULTRATEC 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.

When installing ArmorCore LC in a light commercial installation, always fully adhere the floor with UnderFlor AS01 adhesive. 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 applications and it provides not only subfloor masking benefits, but also provides the option to fit flooring net where it is not desirable to install trim. Plus UnderFlor AS01 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

- UnderFlor AS01 Adhesive (See Adhesive Coverage chart on page 3 for spread rate coverage.)
- UnderFlor QS120 QuikStik Tape (For loose lay at seams and for perimeter installations)
- UnderFlor SU106 or SU80 or SU92 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).

Subfloor Recommendations

Subfloor Construction Materials	Comments	Fully Adhered	Perimeter Fastened	Loose Laid	Notes
WOOD	Double layer plywood construction, minimum 1" thick, over joists or trusses up to 19.2" (49.2 cm) on center with suitable underlayment	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. (1.4 kg) or 75% RH.
	Radiant heat floors not to exceed 85°F (29°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	Fill depressions and cracks wider than 1/32" (.8 mm).
RESILIENT FLOOR	Smooth surface resilient sheet and tile flooring	Yes	Yes	Yes	Must be single layer of flooring, fully adhered and in good condition.
	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.

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.

GENERAL SUBFLOOR INFORMATION

All subfloor surfaces must be clean, dry, smooth and free of reagents or contaminates 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 contaminates.

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.^{2} (1.4kg/92.9m^2)/24 hours 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 UltraTec 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 Application

Installation Method	Performance	Subfloor	Applicator	Condition
Fully Adhere Perimeter Fasten	Resealable Bond	Porous or Nonporous Surfaces	1/4" (6.4mm) Nap Paint Roller	Tacky Dry
Loose Lay Seams				
Fully Adhere	Permanent (Non-Resealable Bond)	Porous Surfaces Only	1/16" x 1/32" x 1/32" (1.6mm x .8mm x .8mm) Trowel	Wet Set

UnderFlor AS01 Adhesive and QuikStik Tape Coverage

Installation Method	Location	Adhesive Application	Quart	Gallon	QuikStik
Fully Adhered	N/A	Trowel	50 - 65 sq. ft. (4.65m^2 - 6m^2)	200 - 250 sq. ft. (18.6m^2 - 23.23^2)	N/A
Fully Adhered	N/A	Paint Roller	75 - 85 sq. ft. (7m^2 - 7.9m^2)	300 - 350 sq. ft. (27.9m^2 x 32.5m^2)	N/A
Perimiter Adhered Perimeter	4" (10.2cm) Band at the Perimeter	Paint Roller	200 - 225 lin. ft. (60.1m - 98.6m)	800 - 900 lin. ft. (203m - 228m) (41.8m^2)	50 sq. yd. room per roll
Perimeter Adhered and Loose Lay Seams	6" (15.4cm) Band at Seams	Paint Roller	150 - 180 lin. ft. (45.7m - 55m)	600 - 700 lin. ft. (182m - 213m)	120 lin. ft. per roll (36.58 lin. meters)

ADHESIVE

UnderFlor AS01 Adhesive is recommended for use with all UltraTec products installed fully adhered and perimeter fastened and under seams in loose lay applications.

AS01 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.

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 UnderFlor QuikStik Installation System, follow instructions for applying tape prior to unrolling the floor.

ONE PIECE INSTALLATION FULLY ADHERED METHOD

Use UnderFlor AS01 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 AS01 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. ($27.9m^2$ – $32.5m^2$) /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

UnderFlor AS01 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. Install flooring within 4 hours after laying it out. If the flooring is being installed with UnderFlor 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.

UnderFlor QuikStik Tape or AS01 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.

UnderFlor 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 UnderFlor 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 maybe 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.

Install flooring within 4 hours after laying it out.

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 UnderFlor 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	Repeat Width
			Length	Width		
AIRSTEP ADVANTAGE® Adhesive: AS01 Seam Sealer: SU106						
88000 - 88005	Savor™	No	54" (137.2 cm)	72" (182.9 cm)	54" (137.2 cm)	72" (182.9 cm)
88010 - 88015	Playtime™	No	Random	48" (121.9 cm)	54" (137.2 cm)	48" (121.9 cm)
88030 - 88033	Unwind™	No	27" (68.6 cm)	13.09" (33.3 cm)	54" (137.2 cm)	144" (365.8 cm)
88041 - 88042	Curious™	No	Random	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
88050 - 88054	Wonder™	No	6" (15.24 cm)	36" (91.4 cm)	54" (137.2 cm)	144" (365.8 cm)
88060 - 88062	Reminisce™	No	9" (22.9 cm)	48" (121.9 cm)	54" (137.2 cm)	48" (121.9 cm)
88070 - 88072	Mystic™	No	18" (45.7 cm)	16" (40.64 cm)	54" (137.2 cm)	48" (121.9 cm)
88080 - 88082	Dream™	No	27" (68.6 cm)	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
AIRSTEP EVOLUTION® Adhesive: AS01 Seam Sealer: SU106						
72000 - 72006	Terrace™	No	18" (45.7 cm)	36" (91.4 cm)	54" (137.2 cm)	108" (274.3 cm)
72010 - 72019	Colonial Plank™	No	Random	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
72044 - 72047	Cozumel™	No	18" (45.7 cm)	27" (68.6 cm)	54" (137.2 cm)	72" (182.9 cm)
72050 - 72055	Grand Canyon™	No	13.5" (34.29 cm)	13.09" (33.25 cm)	54" (137.2 cm)	78.54" (199.49 cm)
72060 - 72062	Fair Wind™	No	27" (68.6 cm)	72" (182.9 cm)	54" (137.2 cm)	72" (182.9 cm)
72063 - 72067	Rendezvous™	No	27" (68.6 cm)	9" (22.9 cm)	54" (137.2 cm)	72" (182.9 cm)
72080 - 72084	Pathways™	No	27" (68.6 cm)	36" (91.4 cm)	54" (137.2 cm)	108" (274.3 cm)
72090 - 72091	Traverstone™	No	27" (68.6 cm)	13.09" (33.25 cm)	54" (137.2 cm)	144" (365.8 cm)
72101 - 72105	Forest Valley™	No	Random	8" (20.32 cm)	54" (137.2 cm)	48" (121.9 cm)
72120 - 72124	Rockport™	No	Random	48" (121.9 cm)	54" (137.2 cm)	48" (121.9 cm)
72130 - 72133	Acacia™	No	Random	36" (91.4 cm)	54" (137.2 cm)	36" (91.4 cm)
72140 - 72143	Casa Nova™	No	27" (15.24 cm)	13.09 (33.25 cm)	54" (137.2 cm)	144" (365.8 cm)
72150 - 72153	Kaleidoscope™	No	18" (45.7 cm)	36" (91.4 cm)	54" (137.2 cm)	108" (274.3 cm)
72160 - 72162	Liberty Square™	No	18" (45.7 cm)	18" (45.7 cm)	54" (137.2 cm)	72" (182.9 cm)
72170 - 72173	Contour™	No	27" (15.24 cm)	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
AIRSTEP PLUS® Adhesive: AS01 Seam Sealer: SU106						
58000 -	North Star™	No	18" (45.7 cm)	36" (91.4 cm)	18" (45.7 cm)	36" (91.4 cm)
58005 - 58008	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 - 58027	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)
58080 - 58082	Crossing™	No	54" (137.2 cm)	72" (182.9 cm)	54" (137.2 cm)	72" (182.9 cm)
58100 - 58102	Oxford Square™	No	6" (15.24 cm)	36" (91.4 cm)	54" (137.2 cm)	108" (274.3 cm)
58110 - 58111	Horizon™	No	27" (68.6 cm)	13.09" (33.25 cm)	54" (137.2 cm)	52.36" (132.9 cm)
58120	Edgewood™	No	Random	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
58130 - 58133	Topside™	No	Random	9" (22.9 cm)	54" (137.2 cm)	108" (274.3 cm)
58140 - 58142	Linea™	No	27" (68.6 cm)	12" (30.48 cm)	54" (137.2 cm)	48" (121.9 cm)
58150 - 58152	Counterpoint™	No	Random	Random	54" (137.2 cm)	72" (182.9 cm)

Pattern Number	Pattern Number	Pattern Name	Reverse Sheets	Economy Match		Actual Repeat Length	Actual Repeat Width
				Length	Width		
ARMORCORE® PRO	**ARMORCORE® PRO UR**	Adhesive: AS-01 - - **PRO: Seam Sealer:** SU80 or SU92 - - **PRO UR: Seam Sealer:** SU106					
AP131 - AP133	UP131 - UP133	Wood Ridge™	No	9" (22.9 cm)	9" (22.9 cm)	54" (137.2 cm)	72" (182.9 cm)
AP150 - AP153	UP150 - UP153	Terrace Paver™	No	18" (45.7 cm)	36" (91.4 cm)	54" (137.2 cm)	108" (274.3 cm)
AP241	UP241	Loft™	No	Random	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
AP411 - AP412	UP411 - UP412	Oak Run™	No	Random	48" (121.9 cm)	54" (137.2 cm)	48" (121.9 cm)
AP430 - AP432	UP430 - UP432	Valley Path™	No	27" (68.6 cm)	39.5" (103.3 cm)	54" (137.2 cm)	144" (365.8 cm)
AP500 - AP502	UP500 - UP502	Farmhouse Timber™	No	Random	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm
AP600 - AP604	UP600 - UP604	Contempo™	No	6" (15.24 cm)	6" (15.24 cm)	54" (137.2 cm)	108" (274.3 cm)
AP812 - AP814	UP812 - UP814	Ethereal™	No	27" (68.6 cm)	72" (182.9 cm)	54" (137.2 cm)	72" (182.9 cm)
AP901 - AP903	UP901 - UP903	Canyon View™	No	27" (68.6 cm)	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
AP950 - AP951	UP950 - UP951	Santa Cruz™	No	54" (137.2 cm)	27" (68.6 cm)	144" (365.76 cm)	18" (45.72 cm)
AP830 - AP831	UP830 - UP831	Your Point™	No	54" (137.2 cm)	Random"	72" (182.9 cm)	Random
AP300 - AP301	UP300 - UP301	Around The Block™	No	54" (137.2 cm)	18" (45.72 cm)	72" (182.9 cm)	18" (45.72 cm)
AP980	UP980	Santa Fe™	No	9" (22.9 cm)	9" (22.9 cm)	54" (137.2 cm)	18" (45.72 cm)

Pattern Number	Pattern Name	Reverse Sheets	Economy Match		Actual Repeat Length	Actual Repeat Width
			Length	Width		
ARMORCORE® LC	Adhesive: AS-01	ArmorCore LC: Seam Sealer: SU106				
LC131 - LC133	Wood Ridge™	No	9" (22.9 cm)	9" (22.9 cm)	54" (137.2 cm)	72" (182.9 cm)
LC150 - LC153	Terrace Paver™	No	18" (45.7 cm)	36" (91.4 cm)	54" (137.2 cm)	108" (274.3 cm)
LC241 - LC241	Loft™	No	Random	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
LC411 - LC412	Oak Run™	No	Random	48" (121.9 cm)	54" (137.2 cm)	48" (121.9 cm)
LC430 - LC432	Valley Path™	No	27" (68.6 cm)	39.5" (103.3 cm)	54" (137.2 cm)	144" (365.8 cm)
LC500 - LC502	Farmhouse Timber™	No	Random	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm
LC600 - LC604	Contempo™	No	6" (15.24 cm)	6" (15.24 cm)	54" (137.2 cm)	108" (274.3 cm)
LC812 - LC814	Ethereal™	No	27" (68.6 cm)	72" (182.9 cm)	54" (137.2 cm)	72" (182.9 cm)
LC901 - LC903	Canyon View™	No	27" (68.6 cm)	36" (91.4 cm)	54" (137.2 cm)	72" (182.9 cm)
LC950 - LC951	Santa Cruz™	No	54" (137.2 cm)	27" (68.6 cm)	144" (365.76 cm)	18" (45.72 cm)
LC830 - LC831	Your Point™	No	54" (137.2 cm)	Random"	72" (182.9 cm)	Random
LC300 - LC301	Around The Block™	No	54" (137.2 cm)	18" (45.72 cm)	72" (182.9 cm)	18" (45.72 cm)
LC980	Santa Fe™	No	9" (22.9 cm)	9" (22.9 cm)	54" (137.2 cm)	18" (45.72 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

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 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 UnderFlor AS01 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 UnderFlor 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 the recommended Seam Sealer.

- Remember to pre-treat all seams in Scotchgard and SDS finishes 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 UnderFlor AS01 Adhesive or QuikStik Tape to secure the repair piece.

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

Featuring

DURA CERAMIC®

Installation and Technical Guide

Congoleum®
www.congoleum.com

SAFETY PRECAUTIONS

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
115 Broad Street
Suite 201
La Grange, GA 30240

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.

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/*

- 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 ORIGINS, DURACERAMIC DIMENSIONS AND OVATIONS

DuraCeramic Origins, DuraCeramic Dimensions 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 subfloor surfaces without extensive preparation.

OVERVIEW

Use UnderFlor DS100 DuraSet Adhesive, for all approved floor applications. Set tiles 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 1/8" to 1/4" space at the joints depending on the desired grout line width. UnderFlor 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.

INSTALLATION ACCESSORY MATERIALS

- UnderFlor DS100 Adhesive – For all approved floor applications.

- UnderFlor Premixed Grout – For joints on grouted floor tiles.

- DuraCeramic Installation Accessory Kit – For grouted applications.

- UnderFlor Underlayment – Floating Underlayment System

- UnderFlor QuikStik Underlayment – Pre-applied Adhesive Floating Underlayment System

RECOMMENDED USE

DuraCeramic Origins and DuraCeramic Dimensions 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 Origins and DuraCeramic Dimensions 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 and cartons with care. Tiles 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 Origins 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 DuraCeramic Dimensions, install all tiles with arrows pointing in the opposite direction following the illustration in (Fig. 3).
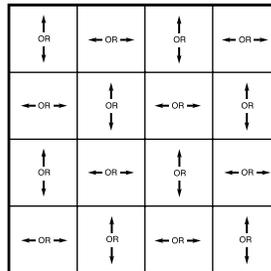
Fig. 1 - Turn tiles as shown.
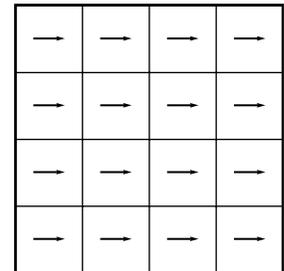
Fig. 2 - Arrows in the same direction.
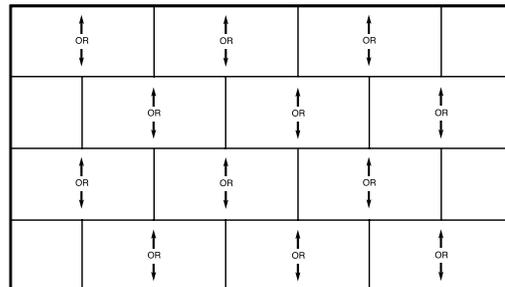
Fig. 3 - Install with arrows pointing in the opposite direction.

INSTALLATION ACCESSORIES INFORMATION

	UNDERFLOR DS100 ADHESIVE	UNDERFLOR PREMIXED GROUT		
ORDER CODE	DS100	Use specific color code		
DESCRIPTION	Solvent free, acrylic, pressure-sensitive adhesive	Premixed sanded, acrylic grout		
USE	Installing tile over all approved floor surfaces	For use with DuraCeramic Origins, DuraCeramic Dimensions and Ovations in grouting joints 1/8" 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 nonvitreous tiles or natural stone, exterior use, shower floors or underwater use.		
COVERAGE	200 to 250 sq. ft. per gallon	Joint Width	Approximate Coverage	
			Sw. Ft / Qt.	Sq.Ft. / Gal.
		1/8" (3.2mm)	80 (7.4m^2)	325 (31m^2)
		3/16" (4.8mm)	70 (6.5m^2)	275 (26m^2)
		1/4" (6.4mm)	55 (5m^2)	225 (21m^2)
APPLICATOR	1/16" wide, 1/32" deep, 1/32" apart , trowel blade adapter included in 1 and 4 gallon containers only.	Hard rubber float or green epoxy float.		
WORKING TIME	12 hours. Dry to tack - 45 to 60 min. under normal conditions.	10 minutes - for best results apply grout in a 20 sq. ft. area on floors and clean up immediately.		
SET UP TIME	N/A	16 to 24 hours.		
CLEAN UP	Wet - Soap and water Dry - Clean cloth dampened with mineral spirits. *	Wet - Water (DD001 Accessory Kit recommended) Dry - Household ammonia cleaner. Do not use grout haze removers.		
COLOR	Pale blue, turns clear when tacky dry	Popular versatile colors available		
TRACERS	Dark Red	N/A		
UNIT SIZE	1 quart; 1 gallon; 4 gallons	1 quart; 1 gallon		
SHELF LIFE	1 year if unopened	2 years, if unopened		
FREEZE / THAW STABILITY	Yes	Yes		
FLAMMABLE	No	No		
CAUTIONS	Potential skin and eye irritant	Potential skin, eye and respiratory irritant		

DS100 - WARNING: Potential eye and skin irritant. UnderFlor 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 ORIGINS	DURACERAMIC DIMENSIONS	OVATIONS
Size (nominal)	15 5/8" x 15 5/8" (39.7 cm x 39.7 cm)	12" x 24" (30.48 cm x 60.96 cm)	14" x 14" (35.6 cm x 35.6 cm)
Gauge (nominal)	.160" (4.1mm)	.160" (4.1mm)	.160" (4.1mm)
Packaging	10 pieces/carton; 17 sq. ft.; 1.58 m²	10 pieces/carton; 20 sq. ft.; 1.86 m²	15 pieces/carton; 20.4 sq. ft.; 1.90 m²
Shipping Weight	30.5 lbs./carton	36 lbs./carton	32.7 lbs./carton
NBS Smoke Density	Passes	Passes	Passes
Critical Radiant Flux (ASTM E648 >0.45w/cm²)	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	Meets ADA Recommendations	Meets ADA Recommendations
PEI Rating	3-4	3-4	N/A
Installation Method	Grouted or Traditional Edge-to-Edge Fit (Ungrouted)	Grouted or Traditional Edge-to-Edge Fit (Ungrouted)	Grouted or Traditional Edge-to-Edge Fit (Ungrouted)
Subfloor Application	On, above or below grade level		
Adhesive	UnderFlor DS100, AD32 Adhesive (DS100 or AD32 can be used with Ovations)		
Grout	UnderFlor Premixed Grout	UnderFlor Premixed Grout	UnderFlor Premixed Grout
Suggested Usage	Residential/Light Commercial		Residential
Warranty	Residential - Lifetime 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 Origins, DuraCeramic Dimensions and Ovations may be installed directly over dry concrete on all grade levels, suspended wood, qualifying old resilient floors, ceramic tile and terrazzo. DuraCeramic Origins, DuraCeramic Dimensions and Ovations can also be installed over UnderFlor underlayments.

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./1,000 sq. ft./24 hours when tested with the calcium chloride kit or 80% RH when tested using ASTM F2170 with a pH range between 5-9. Do not install DuraCeramic Origins, DuraCeramic Dimensions 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
UnderFlor Original Underlayment or UnderFlor with QuikStik	• UnderFlor underlayment systems are ideal for floating installations of DuraCeramic Origins, DuraCeramic Dimensions and Ovations over a variety of substrates in lieu of direct bonding. See detailed instructions on page 7.	The subfloor system for floating surface must be smooth, solid and dry.
Wood	• Double layer construction over joist or trusses on 16" or 19.2" centers with at least 18" of well-ventilated air space. • Install 1/4" or heavier underlayment over strip wood, single layer wood floors and APA-rated Sturd-I-Floor Systems.	Subfloor must be solid and free of movement.
Underlayment	• APA underlayment grade plywood with fully sanded face. • Hardwood and veneer underlayment panels. • 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. • Not recommended over cement backer-boards, glass mesh mortar units or acoustical cork.	Install according to panel manufacturers' written instructions.
Concrete	• On, above and below grade level. • Radiant-heated floors not to exceed 85°F (29°C).	Moisture vapor emissions not to exceed 5 lbs. or 80% RH.
Light Weight Concrete (Residential Application only)	• Minimum 100-pound dry density • Installation over gypsum-based acoustical toppings is not recommended unless UnderFlor underlayment is used.	Confirm adequate adhesion to substrate.
Resilient Floor (See WARNING on inside cover)	• Smooth, non-cushioned sheet flooring and vinyl composition tile. • Embossed non-cushioned and thin cushioned vinyl flooring can be prepared with embossing leveler in residential applications. • Do not install over soft, heavy cushioned floors, flooring with a cushioned backing, self-adhering tile or tile installed below grade level.	Must be single layer, fully adhered and well bonded. Remove wax or polish.
Ceramic and Stone	• Ceramic, marble and granite.	Fill grout joints and level floor.
Carpet/ Laminate	• Not recommended.	Remove
Patching Compound	• Portland cement-based compound such as Ardex Feather Finish, Mapei Plani-Patch or equal. • Gypsum-based patching compounds are not recommended.	Refer to manufacturers' instructions for use and applications.

UNDERFLOR UNDERLAYMENT

UnderFlor Underlayment is an all-in-one underlayment system that provides an economical solution for installing DuraCeramic Origins, DuraCeramic Dimensions 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.

UnderFlor Underlayment 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 UnderFlor DS100 Adhesive only for installing Congoleum DuraCeramic Origins, DuraCeramic Dimensions and Ovations over UnderFlor Underlayment. Hard setting adhesives should not be used with UnderFlor underlayments.

UNDERFLOR UNDERLAYMENT INSTALLATION

Install UnderFlor Underlayment 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 Underlayment with seams at least 4" away from the joints in the finished floor tile. (Fig. 4).
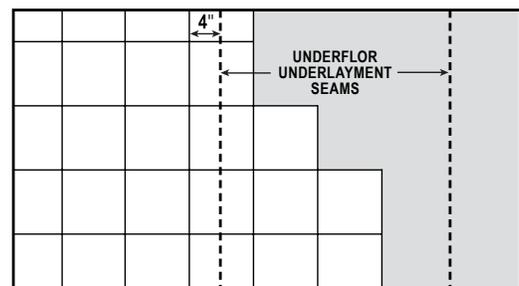
Fig. 4 – Position seams at least 4" away from tile joints.
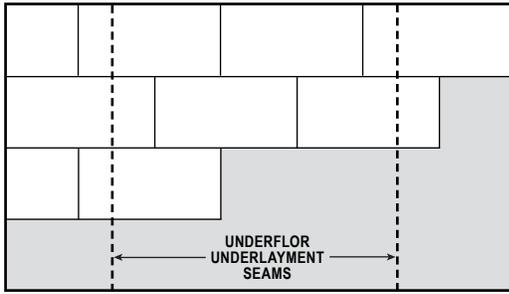
Fig. 5 – Install UnderFlor underlayment with seams perpendicular to the long dimension of the DuraCeramic Dimensions flooring.

For DuraCeramic Dimensions always install UnderFlor Underlayment with seams running perpendicular to the long dimension of the tile flooring (Fig. 5). Install tiles with staggered end joints positioned at least 4" away from the seams in the underlayment.
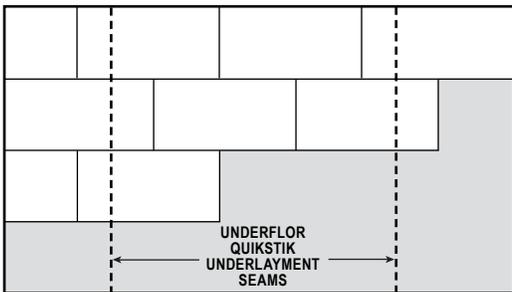
- Unroll the first sheet and trim it to fit allowing a 1/4" space between the edge of the sheet and the wall.

- 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 UnderFlor Underlayment.

INSTALLING DURACERAMIC ORIGINS, DURACERAMIC DIMENSIONS AND OVATIONS OVER UNDERLAYMENT

Follow installation instructions for the finished flooring being installed.

- Install finished flooring with UnderFlor DS100 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 underlayment 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, 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.

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

UNDERFLOR QUIKSTIK UNDERLAYMENT

The fastest, most cost effective floating floor installation system — just roll it out, peel back the release liner and start installing the floor. Install under DuraCeramic Origins, DuraCeramic Dimensions and Ovations.

- No messy adhesive to spread
- No trowel or 100 lb. roller needed
- No waiting for glue to tack up
- Installs easily on top of a variety of subfloors/conditions
- No adhesive waste
- Easy to reposition product and make repairs
- Allows for "dry fitting" when making cuts
- Moisture and alkali resistant
  - □ Install over concrete with vapor emissions up to 5 lbs. or 80% RH
  - □ Great for basements and new construction

ROLL SIZES

Large Roll Order Code: QSUFL

Contents: 1 roll 56.25" wide x 60 lin. ft. (281.25 sq ft) plus 1 roll tape (1.89" x 60 lin. ft.)

Small Roll Order Code: QSUSC

Contents: 1 roll 56.25" wide x 30 lineal feet (140.63 sq. ft.) plus 1 roll tape (1.89" x 30 lin. 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 ensure QuikStik Underlayment is tightly rolled around a tube with the release liner out for storing and transporting. Any unused portion of the roll must be tightly secured around the tube.

- Do not distort UnderFlor QuikStik Underlayment.

- 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 QuikStik 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 of the flooring system and subfloor.

UNDERFLOR QUIKSTIK UNDERLAYMENT INSTALLATION

- Thoroughly sweep the floor.

- Determine the appropriate seam location and direction of the underlayment (based on the flooring selection).

IMPORTANT:

For tile installation, UnderFlor QuikStik Underlayment must be positioned in the room with seams at least 4" away from the joints in the finished floor tile. (Figure 1).

Fig. 1 – Position QuikStik Underflor seams at least 4" away from tile joints.

For DuraCeramic Dimensions always install UnderFlor QuikStik Underlayment with seams running perpendicular to the long dimension of the tile flooring (Fig. 2). Install tiles with staggered end joints positioned at least 4" away from the seams in the underlayment.

Fig. 2 – Install UnderFlor QuikStik Underlayment with seams perpendicular to the long dimension of the DuraCeramic Dimensions flooring.

- Install UnderFlor QuikStik Underlayment with the felt side down.
- Unroll the first sheet and trim to fit allowing 1/8" to 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 against the first sheet.
- The pre-applied adhesive layer stops about 1 1/8" from each edge. This allows you to butt the edges together and apply the double face tape (included in the carton) along the edges without having to pull back the release liner.
- Always roll the seam tape with a hand roller to firmly embed it.
- Minor rips or tears can easily be fixed by simply pulling back the release liner on either side of the tear and applying a piece of the seam tape to the torn area.

UNDERFLOR UNDERLAYMENT SUBSTRATE RECOMMENDATIONS

UnderFlor underlayments can be installed over the following surfaces:

SUBFLOOR CONSTRUCTION / MATERIALS	COMMENTS	NOTES
Wood Structure	• Double layer construction over joist or trusses on 16" or 19.2"centers. • Single layer floors constructed with APA Rated Sturd-I-Floor T&G Panels, minimum 23/32" over joists or trusses on 19.2" centers.	Subfloor must be smooth solid and free of movement with at least 18" of well ventilated air space below.
Underlayment	• APA underlayment grade plywood. • Oriented Strand Board (OSB) • NPA rated Particleboard	Weather damaged or rough surface materials must be sanded smooth. Gaps wider than 1/8" should be filled level.
Concrete	• On, above and below grade level. • Radiant-heated floors not to exceed 85°F (29°C).	Moisture vapor emissions not to exceed 5 lbs. or 80% RH. Fill depressions and cracks wider than 1/8".
Gypsum Topping and Light weight Concrete	• Minimum 100-pound dry density • Minimum 3,000 psi compression rating is required.	Fill depressions and cracks wider than 1/8".
Resilient Floor	• Smooth, or textured sheet flooring • Vinyl composition tile • Do not install over soft, heavy cushioned floors, flooring with a cushioned backing or tile installed below grade below.	Must be single layer, fully adhered and well bonded.
Ceramic and Stone	• Ceramic, marble and granite.	Fill grout joints and level floor.
Old Adhesive Residue and Paint	• Adhesive Residue - Scrape to remove heavy spots and cover with a 4 mil sheet of poly film. • Paint - Remove loose paint.	Follow recommended work practices for adhesive and paint removal.

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 Origins nominal tile size is 15 5/8" x 15 5/8". DuraCeramic Dimensions nominal tile size is 12" x 24". Ovations nominal tile size is 14" x 14".

- It is important to avoid positioning the tile joints directly over joints or seams in UnderFlor underlayments or existing flooring. If this should occur, reposition chalk lines to offset joints by at least 3" or half of the tile dimension.

	DURACERAMIC ORIGINS (15 5/8" X 15 5/8")	DURACERAMIC DIMENSIONS (12" X 24")	OVATIONS (14" X 14")
SQUARE OR STRAIGHT	Yes	Yes	Yes
DIAGONAL	Yes	No	Yes
1/2 DROP	Yes	Yes	Yes
1/3 DROP	No	Yes	No
PAVER	No	Ungrouted Only	No
HERRINGBONE	No	Ungrouted Only	No

BASIC SQUARE LAYOUTS

- Place a mark in the center of the floor at each end of the room. (AB) Then snap a chalk line between the marks.

- Find the center of the line and snap a second chalk line at a right angle (CD); use the 3', 4', 5' method to form a right angle (Fig. 6).
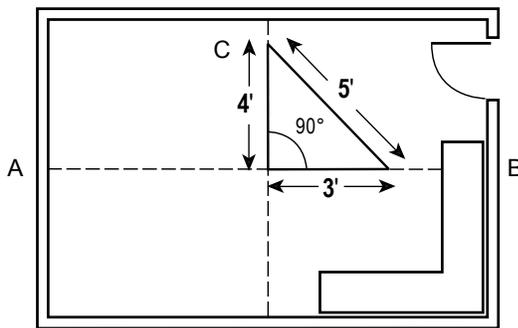
Fig. 6 - Square layout.

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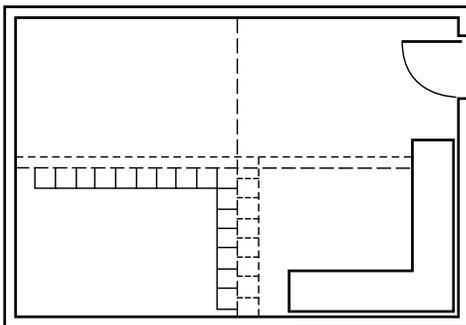
Fig. 7 - Adjust layout at center lines for larger border tiles.

- When installing DuraCeramic Dimensions in a 1/2 drop layout or a 1/3 drop layout it will be necessary to snap additional chalklines for starting locations. First complete a basic square layout with center and perpendicular lines. Normally the tiles are laid with the long dimension parallel with the long dimension of the room.

1/2 DROP LAYOUT

- Snap a second perpendicular chalkline 12" away from the first perpendicular line (Fig. 8). Complete a dry layout in the first 2 rows starting from the perpendicular chalklines. If the border tile in either row is less than 6", adjust the perpendicular lines 6" in either direction.
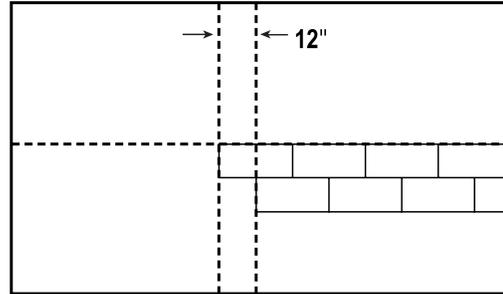
Figure 8 - 1/2 Drop Layout.

1/3 DROP LAYOUT

- Snap two additional chalklines, one 8" and the other 16" away from the center perpendicular line (Fig. 9). Complete a dry layout in the first 3 rows starting from the center perpendicular chalkline. If the border tile in any of the 3 rows is less than 4", adjust all three perpendicular lines 4" in either direction.
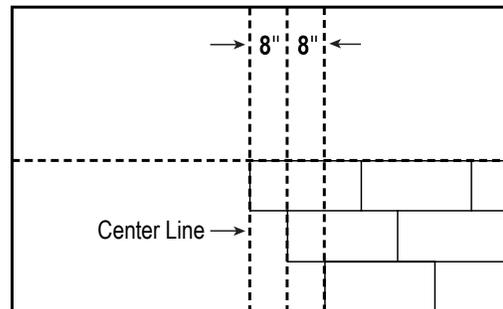
Figure 9 - 1/3 Drop Layout.

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

UnderFlor DS100 Adhesive and UnderFlor AD32 Adhesive (for Ovations) are pressure-sensitive adhesives that must be allowed to dry completely to a tack before setting tiles.

- Apply the adhesive with the trowel blade adaptor included with the adhesive. The recommended trowel notch size is 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. 10). 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.
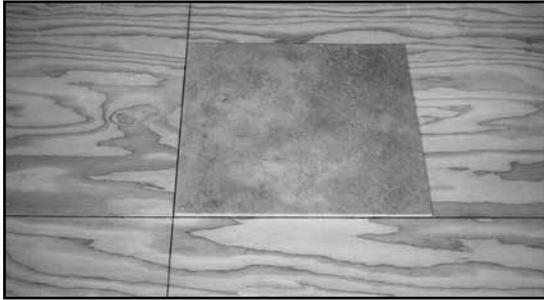
Fig. 10 - Positioning tiles.

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. 11).
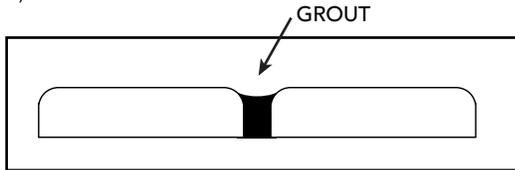
Fig. 11 - The finished grout line width is wider than the space between the tiles.

Spacer Size	1/8"	3/16"	1/4"
Actual Grout Line Width	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. 12) 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. 12 - 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. 13). Continue to set the tiles in straight rows to complete each section (Fig. 14).

■ Follow the chalk lines to keep the joints straight and make minor adjustments if necessary. Remove the spacers immediately after setting each tile.

Fig. 13 - Position spacers before setting the tile.
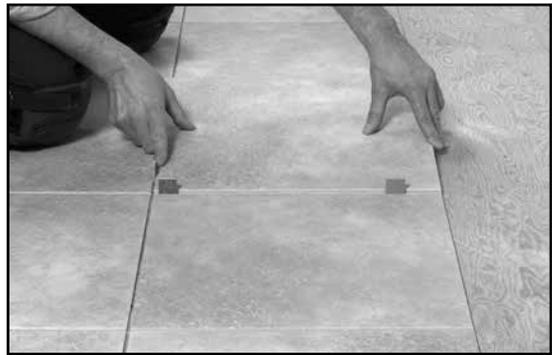
Fig. 14 - Set tile in straight rows.

UNGROUTED FLOORS

■ When installing an ungrouted floor, continue setting the tiles in a stair-step pattern along the center and perpendicular lines (Fig. 15).

■ 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. 15 - 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. 16). Re-roll the entire floor immediately before grouting or applying joint sealer.
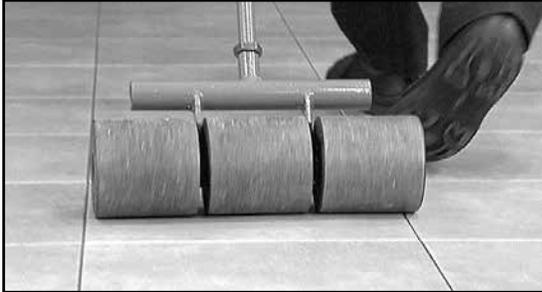
Fig. 16 - Roll the floor within one hour after setting tiles.
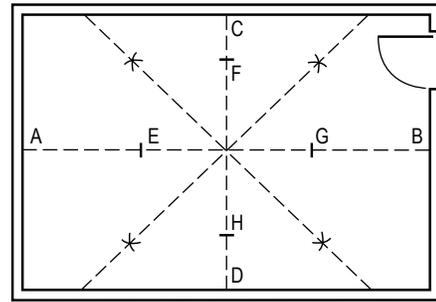
CUTTING TILE TO FIT

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

(For DuraCeramic Origins and Ovations ONLY, not for use with DuraCeramic Dimensions)

- 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. 17). Snap diagonal chalk lines at the point where the marks intersect. If done correctly, the chalk lines will intersect at the center point.

Fig. 17 - 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-forth of the diagonal dimension of the tile, adjust the starting point and snap a new chalk line 1/4 of the diagonal dimension of the tile away from the original chalk line (Fig. 18). This will provide a balanced layout with larger cut tile around the perimeter.
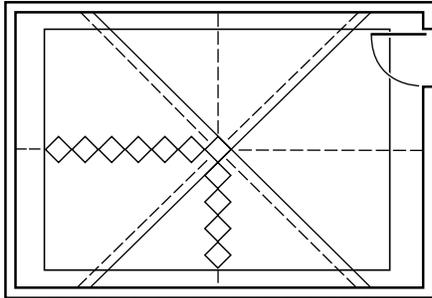
Fig. 18 - Adjusting chalk lines for a diagonal Layout.

Herringbone Layout

for Ungrouted DuraCeramic Dimensions Only

- The Herringbone layout requires only a basic square layout with a center and perpendicular chalkline.

- Complete a dry layout starting at the intersection of the chalklines to determine the size of the cut border tile. If the border tile is less than 6" adjust the chalkline 6" in either direction.

Tip: *Spread adhesive in 3 quadrants (starting quadrant and adjacent quadrants) when installing a herringbone layout (Fig. 19).*
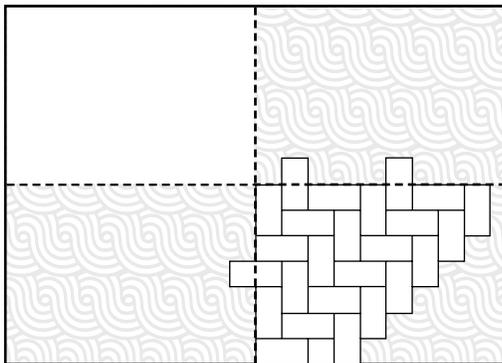
Fig. 19 - Adjust the chalkline 6" in either direction if necessary to achieve a larger border tile. After completing dry layout spread adhesive in 3 quadrants.

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. 20). Allow the tile to cool before installing it.

Fig. 20 - Roll the cut edge to form a slight radius.

GROUT APPLICATION

Grouting Floors

- DuraCeramic Origins, DuraCeramic Dimensions and Ovations can be grouted immediately or within 24 hours after setting the tiles.

- Tiles must be grouted using UnderFlor Premixed 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

- DuraCeramic Accessory Installation Kit DD01 containing:

  □ Firm, square-edge sponge

  □ 2 - 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. 21). Hold the float in a low angle and press firmly with short strokes at a right

angle to the joint.

- 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. 22).

- 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.

Fig. 21 - Pack the grout into the joints.

Fig. 22 - Extend grout a few inches into the next row.

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. 23).

- Use a firm square edge sponge to remove the excess water solution. Use light pressure and wipe diagonally across the joints (Fig. 24). Do not allow the water to flow into the ungrouted joints or accumulate in finished areas.

Fig. 23 - Use a 3M white, nylon pad to loosen grout residue.

- 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 an ammonia-based window cleaner.

Fig. 24 - Wipe diagonally across the joint to remove excess water.

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.

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.

REPAIRS

DuraCeramic Origins, DuraCeramic Dimensions and Ovations can be repaired easily if it is necessary to replace a tile.

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. 25).

Fig. 25 - 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.

Fig. 26 - Drive a putty knife into the heated area and pry upward.

- 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. 26).

- 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 UnderFlor DS100 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 UnderFlor Grout following label instructions. Allow grout to dry for 24 hours and remove any remaining grout haze.

Ungrouted Tile Floors

- If applicable, 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.

UNDERFLOR UNDERLAYMENT REPAIR TECHNIQUES

Repair techniques are very easy on UnderFlor Underlayment installations. Use these procedures for repairs for DuraCeramic Origins, DuraCeramic Dimensions or Ovations installed over UnderFlor Underlayment.

Ungrouted Repair

- Carefully score the tile 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 underlayment using a putty knife. If you keep the tile 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 underlayment.

- Carefully score the tile 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 underlayment using a putty knife. If you keep the tile heated, it should release without damaging the underlayment.

- 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 UnderFlor Premixed Grout following label instructions. Allow grout to dry for 24 hours and remove any remaining grout haze.

REPLACING UNDERFLOR UNDERLAYMENT

If the UnderFlor Underlayment 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 UnderFlor Underlayment.

- 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 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 UnderFlor DS100 adhesive to the UnderFlor Underlayment 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.

- Re-grout the tile to finish the repair.

UNDERFLOR QUIKSTIK UNDERLAYMENT REPAIR

Repairs are very simple. To replace a damaged tile:

- Warm the piece with a heat gun.

- Use a sharp utility knife to cut through a corner of the damaged piece taking care not to cut into the QuikStik Underlayment.

- Lift the end of the piece and continue heating.

- As you provide sufficient heat, the piece will release from the adhesive.

- Lift out the entire piece and warm the exposed adhesive.

- Install the new piece and set it firmly into place with a hand roller.

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.

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- 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 Origins, DuraCeramic Dimensions 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 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 DuraCeramic Dimensions. Floor Polish use is optional for Ovations.

UNDERflor®

**SAME GREAT PRODUCTS UNDER
A NAME YOU ALREADY TRUST**

- **Non-porous substrates (Cement terrazzo and some steel trowel finished concrete) -** It will be necessary to allow the adhesive to dry/flash longer when covering over non-porous surfaces. Before installing flooring allow adhesive to dry/flash 20 to 40 minutes or until the valleys between the trowel ridges turn clear (the trowel ridges will be wet) to achieve approximately 100% transfer of the trowel pattern to the back of the flooring when rolled. (See chart below).

GENERAL INFORMATION

- Always store and transport cartons on a flat surface neatly stacked no more than 15 cartons high. Ideal storage temperatures range from 50ºF to 90ºF (10ºC to 32ºC).

- Acclimate the room(s) flooring and adhesive at a constant temperature between 65ºF and 85ºF (18ºC and 29ºC) for 48 hours before, during and 72 hours after installation. Thereafter the room temperature should not exceed 90ºF (32ºC) or fall below 55ºF (13ºC).

- Make sure the pattern is correct and the lot numbers are the same on each carton.

ADHESIVE	AD32 PRESSURE SENSITIVE ADHESIVE	AD-62 WET SET ADHESIVE	
Service Rating	Residential and Light Commercial	Commercial	
Substrate	All Approved Substrates	Approved Porous Substrates	Approved Non-porous Substrates
Trowel Notch	1/16" x 1/32" x 1/32" U-notch (.16 x .08 x .08 cm)	1/16" x 1/16" x 1/16" Square-notch (.16 x .16 x .16 cm)	1/32" x 1/16" x 1/32" U-notch (.08 x .16 x .08 cm)
Spread Rate	200 - 250 ft.²/gal. (18.6 - 23.2 m²)	125 -150 ft.²/ gal. (11.6 - 13.9 m²)	185 -245 ft.²/ gal. (17.2 - 22.8 m²)
Dry/Flash Time	30 to 60 minutes	5 to 10 minutes	20 to 40 minutes
Working Time	6 hours	Up to 30 minutes	Up to 20 minutes

Note: *AD62 Adhesive flash time and working time may vary based on temperature, humidity, substrate porosity, trowel application and jobsite conditions.*

SUBFLOORS AND PREPARATION

For detailed information on subfloors and preparation, please refer to supporting document "Suitable Substrates" at **www.congoleum.com.** Certain requirements may apply in order to prepare these substrates for resilient flooring. Substrates covered with existing flooring may also be acceptable for residential and light commercial applications.

- Ensure that concrete subfloors are sufficiently dry by conducting moisture and pH tests.

- The subfloor, regardless of the type must be flat, smooth, clean, dry, structurally sound and free of paint, old adhesive residue, wax, grease, oil, solvent, curing and parting compounds and other substances that could interfere with adhesion or the performance of the flooring.

- Never use liquid adhesive remover or solvent cleaners for removing old adhesive residue or other substances on the subfloor. These substances must be mechanically removed.

- Conduct bond tests to confirm suitable adhesion to the substrate.

- The flatness of the subfloor is particularly important for keeping joints tight and in alignment when installing large format tiles. Deviations in the subfloor should not exceed 3/16" in 10' or 1/16" in 1'. Subfloor deflection should not exceed 1/360th of the span.

TIMELESS
LUXURY PLANK & TILE

Structure® and Impact Commercial Installation Instructions / pages: 1 - 3

Structure, Impact™ and Endurance® Residential and Light Commercial Installation Instructions / pages: 3 - 7

Impact SmartLock™ Installation Instructions / pages: 7 - 10

Endurance SmartLink™ Installation Instructions / pages: 10 - 12

STRUCTURE AND IMPACT COMMERCIAL INSTALLATION INSTRUCTIONS

ADHESIVE SELECTION

Proper adhesive selection is determined by the type of service the floor will receive. Using the proper adhesive will help maintain tight joints and reduce the potential for indentation from heavy loads.

UnderFlor AD32 Adhesive is a pressure sensitive adhesive that can be used over all approved porous and non-porous Substrates. AD32 is recommended for residential and light commercial applications where heavy rolling and static loads are not expected. The adhesive is applied and then allowed to dry to a tack before installing flooring.

UnderFlor AD62 Commercial Adhesive is a wet-set adhesive that dries hard and must be used in commercial applications, where heavy static or rolling loads are present, where temperature fluctuations are likely to occur or when adjustability during installation is desired. AD62 is recommended for use over porous substrates and select non-porous substrates. DO NOT use AD62 over existing resilient tile or sheet flooring products.

*AD62 Adhesive is recommended for large tiles because it allows for adjustability during installation. AD32 may be used when job site conditions require the use of a pressure sensitive adhesive.

Specialty Adhesives - Use Mapei G21 or G15 on installations in hospital rooms or medical facilities where Hill-Rom beds are used or where frequent surface wetting will occur such as in grocery store produce areas.

RECOMMENDED SUBSTRATES FOR AD62 ADHESIVE

- **Porous Substrates (Concrete, wood underlayment and patching and leveling compounds) -** Before installing flooring allow adhesive to dry/flash for 5 to 10 minutes. The flooring must be laid in to wet adhesive to achieve 100% transfer of the adhesive to the back of the flooring when rolled.

SUITABLE SUBSTRATES AND SURFACE MATERIALS

- Fully cured, dry concrete on all grade levels Moisture vapor emissions should not exceed 5 pounds (ASTM F1869) or 80% RH (ASTM F2170) with a pH range between 5 and 9.

- Approved suspended wood floors and underlayments.

- Cement-based self-levelling underlayments and patching compounds.

- Prepared ceramic tile, marble and cement terrazzo

- Aluminum, steel and stainless steel.

- Radiant-heated subfloors where the maximum surface temperature of the floor does not exceed 85ºF (29ºC) in any area.

- The following existing floors may be suitable for residential and light commercial applications only.

- Existing qualifying resilient sheet flooring-single layer, fully adhered and well bonded.

- Existing vinyl composition tile (VCT) - single layer, well bonded over, on or above grade level only.

Note: *Some previously manufactured vinyl floor covering and asphalt "cutback" adhesive contain asbestos. For preparation or removal of these products, refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for the Removal of Resilient Floor Covering". These work practices must be followed. For a copy of the recommended work practices, please contact:*
Resilient Floor Covering Institute (RFCI) 115 Broad Street, Suite 201, La Grange, GA 30204 - www.rfci.com.

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 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 the material. If you must remove old flooring material, contact the Resilient Floor Covering Institute to obtain a copy of the Recommended Work Practices for the Removal of Resilient Floor Covering.

JOB SITE CONDITIONS

- Resilient flooring installation should be scheduled after all other trades have completed their work.

- The HVAC systems must be in operation for at least 10 days prior to flooring installation and thereafter to maintain a constant temperature. Portable heaters may not provide adequate heat. Never use kerosene heaters.

- Proper acclimation of the room, subfloor, flooring material, adhesive and all installation accessory products is critical to the success of the adhesive and flooring performance. Installation over cold subfloors will delay adhesive flash time and dry time, effect the size of the floor and increase the potential for indentation and/or adhesive displacement. The subfloor temperature must be between 65ºF and 85ºF (18ºC and 29ºC) at the time of installation.

- Acclimate the room(s) flooring and adhesive at a constant temperature between 65ºF and 85ºF (18ºC and 29ºC) for 48 hours before, during and 72 hours after installation. Thereafter the room temperature should not exceed 90ºF (32ºC) or fall below 55ºF (13ºC).

- Unopen cartons of flooring should be neatly stacked in the room where they will be installed during the acclimation period. Open cartons just prior to installation.

SPECIAL INSTALLATION REQUIREMENTS

- All plank products should be installed with end joints randomly staggered at least 8" apart. Avoid using pieces less than 6" long at the end of the row.

- Planks and tiles can be combined on custom installations.

- 18" x 36" tiles can be installed in an ashlar layout with a 9", 12" or 18" drop pattern, depending on the desired appearance. A square layout with all 4 corners lined up is not recommended.

- 18" x 18" and 18" x 36" tiles have directional arrows printed on the back. Turn tiles randomly in alternating directions to achieve the best visual appearance.

- When installing flooring in a wet-set application with AD62, the flooring must be rolled with a 100 pound three section roller immediately after completing each section and while adhesive is still wet and again 1 hour later.

- Proper adhesive selection and application will ensure good adhesion, tighter joints and reduce the potential for indentation from rolling and static loads.

INSTALLATION RECOMMENDATIONS

Layout

Layout will depend on the product size and adhesive system being used.

- Snap a chalk line down the center of the floor parallel with the long dimension of the room.

- Adjust the chalk line if necessary to avoid narrow pieces at the walls.

- When installing 18" x 18" or 18" x 36" tiles it will be necessary to snap additional chalk lines perpendicular (90°) to the center line.

- Also see special instructions for AD62 wet-set adhesive applications.

- When planning the layout make sure tile and plank joints fall at least 6" (15.2cm) away from joints in the underlayment and/or seams in existing flooring.

- Do not install over expansion joints.

Cutting

- Flooring can be trimmed to fit using a sharp utility knife or tile cutter.

- When using a utility knife, score the surface of the tile or plank and flex it downward to break it at the score mark.

- Always place the cut edge against the wall.

FOR INSTALLATION WITH AD32 PRESSURE SENSITIVE ADHESIVE

- Apply AD32 Adhesive over one-half of the subfloor up to the chalk line. Allow adhesive to dry completely to a tack, normally 30 to 60 minutes, longer in cool or humid conditions. Adhesive will turn from off white to clear when dry.

- Carefully install the first row of tile or plank along the edge of the chalk line.

- When installing plank, start with a whole plank in the first row. Use 2/3 of a plank to start the second row and 1/3 of a plank for the third row. Thereafter install planks in a random layout offsetting end joints by at least 8". Avoid using small pieces less than 6".

- Complete each row including the cut piece at the end of the row. Always place cut ends against the wall. Complete the opposite side of the room and roll the entire floor in both directions with a 100 pound, three-section roller.

- Restrict to light traffic for the next 48 hours.

FOR INSTALLATION WITH AD62 WET SET ADHESIVE

- When working with wet set adhesive it will be necessary to start the installation at the wall to avoid walking on freshly installed flooring. Transfer the center chalk line to within 24" to 36" from the wall opposite the entrance of the room using a multiple of the plank or tile width.

- Snap additional chalk lines to divide the floor into sections for adhesive application.

- Apply AD62 Adhesive in the first section. Spread the adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the surface. Apply only enough adhesive that can be covered with plank or tile within the 20 to 30 minute working time.

- Before setting tiles or planks, allow adhesive to flash off for 5 to 10 minutes over porous surfaces or 20 to 40 minutes over approved non-porous surfaces.

- Do not walk on or work on freshly laid flooring until the adhesive has set sufficiently to eliminate shifting.

- If unavoidable use a kneeling board. Fitting flooring net to the walls will reduce the possibility of tiles shifting.

- Carefully install the first row of tile or plank along the edge of the chalk line. *When installing plank, start with a whole plank in the first row. Use 2/3 of a plank to start the second row and 1/3 of a plank for the third row. Thereafter install planks in a random layout offsetting end joints by at least 8".*

- Complete each row including the cut piece at the end of the row. Always place cut ends against the wall.

- Clean any adhesive smears on the face of the flooring immediately with a clean wet cloth before it dries.

- Roll the floor with a 100 pound three section roller immediately after completing each section and while adhesive is still wet. Re-roll it again after 1 hour. Failure to roll the floor can result in poor adhesion and indentation of the finished floor.

FINISHING THE JOB

- Clean any adhesive smears on the face of the flooring immediately while wet with a clean cloth and dilute solution of neutral cleaner and water. Mineral spirits can be used to remove dried adhesive.

- Keep traffic off the newly installed floor for at least 24 hours after installation. Open to light traffic for the next 48 hours. Resume normal traffic after 72 hours.

- Protect the floor from rolling or static loads for at least 72 hours after installation to allow adhesive to set firm.

- Always use strips of hardwood or plywood when moving heavy objects such as furniture or equipment over the floor even when using carts or dollies with wheels.

- Allow adhesive to dry a minimum of 4 days before wetting or washing the new floor.

STRUCTURE, IMPACT, ENDURANCE RESIDENTIAL AND LIGHT COMMERCIAL INSTALLATION INSTRUCTIONS

These products are installed directly adhered to the subfloor surface. In residential applications only, Impact and Endurance can be installed over UnderFlor underlayments. Use UnderFlor AD32 Pressure Sensitive Adhesive for installations over all approved subfloor surfaces including UnderFlor underlayments.

GENERAL INFORMATION

- Resilient flooring installation should be scheduled after all other trades have completed their work

- The HVAC systems must be in operation for at least 10 days prior to flooring installation and thereafter to maintain a constant temperature.

- It is important to maintain proper temperature at the time of installation in order to minimize thermal dimensional changes. 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 72 hours after installation. Thereafter, maintain the room temperature between 55°F (13°C) and 90°F (32°C).

- Unopen cartons of flooring should be neatly stacked in the room where they will be installed during the acclimation period. Open cartons just prior to installation.

- When using flooring from two or more cartons, make sure pattern and run numbers found on the carton are the same.

- Mix and install flooring from several different cartons to achieve a random appearance.

SUBFLOOR INFORMATION

The existing subfloor type and condition, preparation involved, cost and replacement ease, are all important considerations when selecting the best installation method for a particular job. The chart (on next page) provides a list of common subfloors and requirements for each installation method.

SUBFLOOR PREPARATION

All subfloor surfaces must be clean, dry, smooth structurally sound and free of contaminants or reagents that can interfere with adhesion or cause discoloration to the floor such as paint, wax, oil, grease, solvent, adhesive residue, curing and parting compounds, sealers and surface hardeners. All surface imperfections should be leveled with a portland cement-based latex patching compound. Gypsum-based patching compounds are not recommended. Deviations in the subfloor should not exceed 3/16" in 10' or 1/16" in 1'. Subfloor deflection should not exceed 1/360th of the span.

Wood Floors must be structurally sound and free of movement with at least 18" (46 cm) of well-ventilated air space below. An effective vapor barrier laid on the ground surface must be used in a crawl space. Do not install flooring over wood subfloors laid directly on concrete or over sleeper construction laid over concrete subfloors.

Sand joints smooth and set fasteners 1/32" (.8 mm) below the surface. Fill underlayment joints wider than 1/32" (.8 mm). Rough, weathered or damaged subfloor panels must be sanded smooth or covered with a suitable underlayment panel. Congoleum will not assume responsibility for claims related to subfloor problems regardless of the underlayment or subfloor material used.

Concrete Floors must be clean, dry, smooth and free of dust. 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 5 lbs. /1000 ft.²/24 hours when tested with calcium chloride test kits in accordance with ASTM F-1869 or be greater than 80% RH (relative humidity) when tested with IN Situ Probes in accordance with ASTM F 2170. Surface pH must be between 5 and 9.

SUBFLOOR SURFACE	WHEN INSTALLED OVER UNDERFLOR (RESIDENTIAL ONLY)	WHEN DIRECTLY ADHERED TO SUBFLOOR
Suspended Wood subfloor over joist or trusses up to 19.2" OC.	• Single layer Sturd-I-Floor rated panel 23/32" or heavier • Double layer construction, minimum 1" thick	Double layer construction, minimum 1" thick with suitable underlayment panel. Do not install directly adhered over oriented strand board or particle board.
Wood Panel Underlayment	Plywood and other hardwood veneer panels, oriented strand board, NPA rated particle board. The surface must be smooth and structurally sound.	APA rated Underlayment grade plywood and other underlayment grade veneer panels that are intended for use as flooring underlayment and that carry a written warranty by the panel manufacturer.
Concrete, on, above and below grade	With vapor emissions up to 5 lbs. or 80% RH	With vapor emissions up to 5 lbs. or 80% RH
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, holes and damaged areas.	Must be smooth, dry and in sound condition. Repair all cracks, holes 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 temperature should be raised gradually to the desired temperature. The maximum floor temperature should not exceed 85°F (29°C).	
Existing Resilient Flooring and Tile Note: Refer to warning statement below.	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.	

Existing Resilient Floors must be single layer, fully adhered and well bonded over an approved subfloor. Remove all wax, floor finish or polish prior to installation. Use embossing leveler to level embossed floors. Do not install new flooring over loose laid or perimeter fastened floors, soft or heavily cushioned floors, cushioned backed flooring, self-adhered tile or tile installed below grade level.

Adhesive Residue must be completely removed on installations where flooring will be directly bonded to the subfloor. Refer to the Resilient Floor Covering Institute (RFCI) Recommended Work Practices for procedures involving adhesive removal. Do not use solvent or liquid adhesive removers to remove old adhesive residue. These products can have a damaging effect on the new floor and adhesive.

WARNING: EXISTING RESILIENT FLOORING:
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 (RFCI)
115 Broad Street
Suite 201
La Grange, GA 30204

www.rfci.com

INSTALLATION RECOMMENDATIONS

LAYOUT

When planning the layout make sure tile and plank joints fall at least 6" (15.2cm) away from joints in the underlayment and or seams in existing flooring.

Plank Installations

■ Snap a chalk line down the center of the floor parallel with the long dimension of the room (Fig. 1).
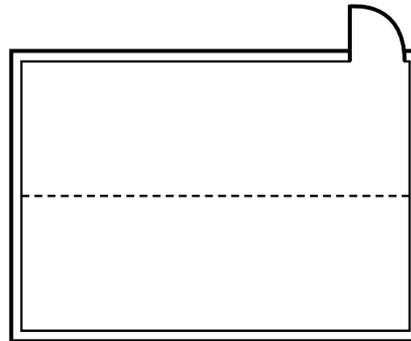

Fig. 1 - Center line

■ Adjust the chalk line if necessary to avoid narrow pieces at the side walls (Fig. 2).

■ Apply AD32 Adhesive with a 1/16" x 1/32" x 1/32" notched trowel over one-half of the subfloor up to the center chalk line.

■ Allow adhesive to dry completely to a tack, normally 30 to 60 minutes, longer in cool or humid conditions. Adhesive will turn from off white to translucent when dry.

- Carefully install the first row of tile or plank along the edge of the chalk line. Start with a whole plank in the first row. Use 2/3rds of a plank to start the second row and 1/3rd of a plank for the third row. Thereafter install planks in a random layout offsetting end joints by at least 8". (Fig. 3).
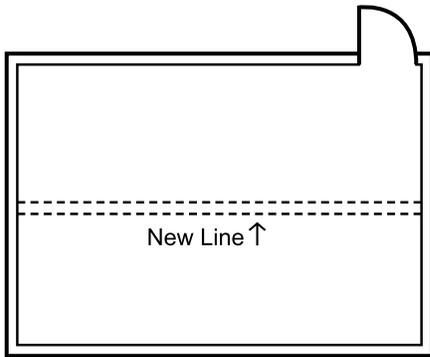
New Line ↑

Fig. 2 - Adjust center line

- Avoid using small pieces less than 6" at the wall.
- Always hold planks in a low angle when positioning them to ensure a tight joint.
- Complete each row including the cut piece at the end of the row.
- Always place cut ends against the wall. Complete the opposite side of the room and roll the entire floor in both directions with a 100 pound, three-section roller.
- Restrict to light traffic for the next 48 hours.
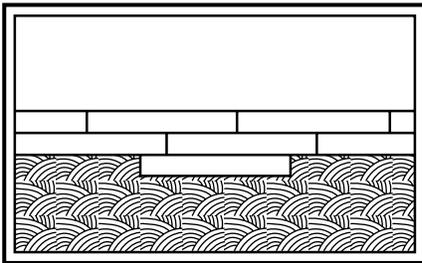
Fig. 3

Tile Installations

- Snap a chalk line down the center of the floor parallel with the long dimension of the room.
- Find the center of the chalk line and snap a second chalk line at a right angle to the center line.
- Adjust the chalk line if necessary to avoid narrow pieces at the side walls (Fig. 4).
- 18" x 36" tiles can be installed in an ashlar layout with a 9", 12" or 18" drop pattern, depending on the desired appearance.
- A square layout with all 4 corners lined up is not recommended. For Ashlar layouts additional chalk lines will be required to establish starting locations in each row (Fig. 5).

C
A
B
D
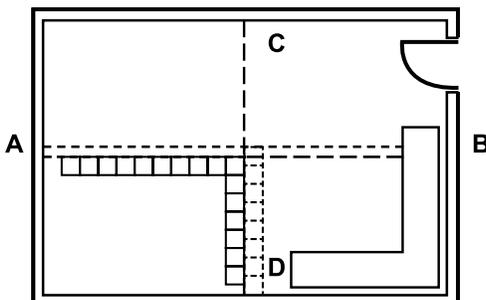
***Fig. 4** - Adjust layout at center lines for larger border tiles.*

Center Line →
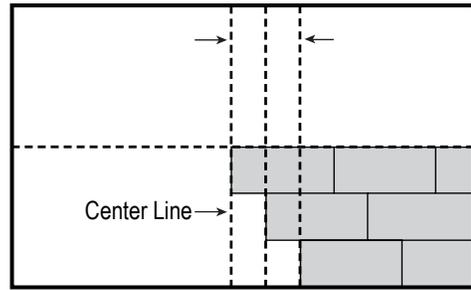
Fig. 5 - Ashlar layout starting lines.

- Apply AD32 Adhesive with a 1/16" x 1/32" x 1/32" notched trowel over one-half of the subfloor up to the center chalk line.
- Allow adhesive to dry completely to a tack, normally 30 to 60 minutes, longer in cool or humid conditions. Adhesive will turn from off white to translucent when dry.
- Carefully position the first tile in the adhesive at the intersection of the center and perpendicular chalk lines (Fig. 6).The tile will bond instantly upon contact so it must be positioned accurately with out sliding it. Press the tile firmly into the adhesive once it is in position. Install square tiles in the first quadrant along the center and perpendicular lines in a stair step fashion (Fig. 7).
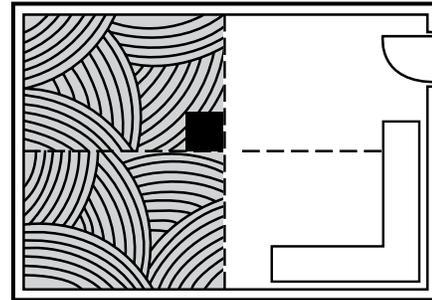
Fig. 6 - Position the first tile at the intersection.
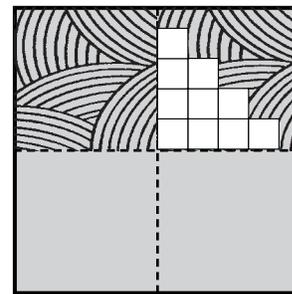
Fig. 7

- Install rectangular tiles along the center line in straight rows. Complete each row, including cut pieces at the wall before proceeding to the next row (Fig. 8).
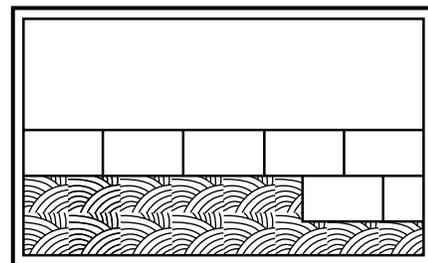
Fig. 8

- Always hold the tile in a low angle when positioning it to ensure a neatly fit joint with no gaps.

- At the end of each row the tile will need to be cut to fit.

- Be sure to place cut ends toward the wall.

- Complete the opposite side of the room following the same procedure and roll the entire floor in both directions with a 100 pound, three-section roller.

- Restrict to light traffic for the next 48 hours.

CUTTING FLOORING TO FIT

The flooring will need to be cut to fit to walls and other vertical surfaces.

Straight Cuts

- Place a loose piece directly over the top of the last full tile, making sure all edges are lined up.

- Use a whole piece as a measuring device, position one edge against the wall and mark the loose piece with a pencil along the opposite edge (Fig. 9).

Fig. 9 — TILE C
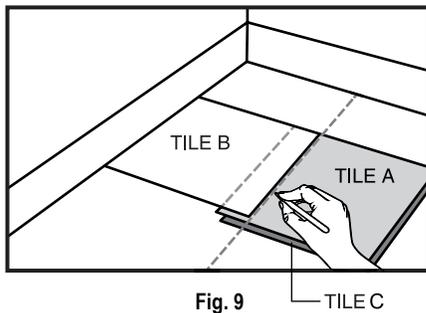
- Next, place the marked tile on a cutting board. Using a carpenter square as a guide, score the pencil line carefully with a sharp utility knife. Break or cut the tile along the score mark.

Irregular Cuts

- Scribe the flooring to fit to irregular shapes such as door trim, pipes, etc.

- Cut with a utility knife.

UNDERFLOR UNDERLAYMENT

Underflor Underlayment provides an alternative to direct bonding to the subfloor and helps to address various subfloor challenges.

GENERAL INFORMATION

- Always roll sheets of Underflor Underlayment tightly around a tube with the vinyl side out for storing and transporting. Avoid distorting the underlayment.

- 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 72 hours after installation.

- All Underflor underlayments 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. Under cut door casing and slide finished flooring under for a finished appearance.

- Use AD32 Adhesive for installing products over underlayment. Hard setting adhesives should never be used with Underflor Underlayment.

UNDERFLOR UNDERLAYMENT INSTALLATION

Only Impact and Endurance are recommended for installation over Underflor Underlayment.

- Install Underflor Underlayment with the vinyl side down just prior to installation of finished flooring.

- Always install Underflor Underlayment running perpendicular to the long dimension of the product.

- Install Underflor Underlayment with joints positioned at least 4" away from the seams in the underlayment.

- Install planks with staggered end joints positioned at least 2" away from the seams in the underlayment (Fig. 10).

- Thoroughly sweep the floor to remove all loose dirt and debris.
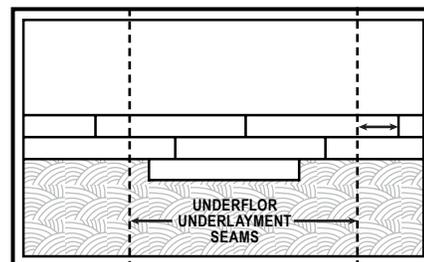
Fig. 10

- 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.

- Tape the sheets together with 2" wide clear packing 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 Underflor to prevent contamination that could affect the adhesive bond.

FINISHED FLOORING INSTALLATION

- Establish the layout as previously described and snap center and perpendicular chalk lines as required making certain that the finished flooring joints are at least 2" away from the seams in the Underflor.

- Spread AD32 Adhesive using a 1/16" x 1/32" x1/32" notched trowel over one-half the floor up to the center line. Do not apply excess adhesive. Allow adhesive to dry completely to a tack, normally 45 to 60 minutes, before installing flooring. Adhesive will turn from off-white to translucent when ready.

- When installing flooring over UnderFlor underlayments, slight growth (buckles) may occur immediately after adhesive application. This is normal and will not affect the finished flooring installation.

- Install flooring following installation instructions as previously outlined for direct bond installation. Remember to allow a 1/4" expansion space around the perimeter of the room. If necessary to adjust or remove a tile, use a heat gun to warm it up first. Complete the opposite side of the room following the same procedure.

IMMEDIATELY AFTER INSTALLATION

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

- When installing over underlayments, 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.

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

REPAIRS

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 plank or into the Underflor below.

- Warm the plank with a heat gun.

- 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.

- Set the new plank firmly into place and roll with a hand roller.

- Normal activity can resume immediately after completing the repair.

IMPACT SMARTLOCK INSTALLATION INSTRUCTIONS

Impact SmartLock Luxury Vinyl Plank Flooring with Interlocking Joints is part of the Timeless by Congoleum collection. Impact SmartLock is constructed with a patented interlocking joints that locks the plank together to form a tight, durable, water proof joint. Impact SmartLock is installed as a floating floor so no adhesive is required.

GENERAL INFORMATION

- Impact SmartLock is recommended for residential interior use in enclosed rooms with continuously maintained temperatures ranging between 65°F and 85°F. Do not install flooring in areas where wide temperature fluctuations can occur or over sloped floors, ramps or in wet areas

- Handle cartons and plank flooring carefully to protect the locking edge profile. Always store and transport cartons neatly stacked on a smooth, flat, solid surface. Do not stack more than 10 cartons high.

- Acclimate the flooring and room(s) at a constant temperature between 65°F and 85°F for 48 hours prior to, during and continuously after installation.

- Mix planks from several different cartons to ensure a random appearance.

- Always allow a 1/4" expansion space around the entire perimeter of the room, at all base cabinets, fixtures and pipes. Cover the exposed edges with trim or fill the gap with a high quality acrylic caulking.

- All base cabinets must be installed prior to installing flooring. Do not install base cabinets or island cabinets on top of the floor.

- In a large single room with a length of 40 feet and a width greater than 25 feet, the addition of T-molding expansion joints will be required. When transitioning from an adjacent area into another room (i.e. a hallway into a bedroom) maintain adequate expansion in the doorways by using T-moldings and undercutting the door casings.

- **Protect Impact SmartLock finished installations from prolonged exposure to direct sunlight. Close curtains or blinds where extreme sunlight hits the floor. Prolonged direct sunlight can result in fading and discoloration. Excessive surface temperatures can cause floor expansion that may result in buckling.**

PREPARING THE AREA

- Remove all furniture and appliances from the room(s).

- Remove wall and doorway trim

- Always undercut wood door casings

SUBFLOOR RECOMMENDATIONS

Impact SmartLock can be installed over a variety of subfloor surfaces including concrete on all grade levels, wood subfloors and many existing hard surface floors. The subfloors must be clean, smooth, flat, solid and dry. Do not install planks over floors that are sloped for drainage or uneven floors where deviations are greater than 3/16" in 10' or 1/16" in 1'. Subfloor deflection should not exceed 1/360th of the span. Uneven or wavy floors must be leveled with portland cement based patching compound.

WOOD SUBFLOORS

Impact SmartLock is suitable for installation over double layer wood subfloors a minimum of 1" thick. Single layer subfloors constructed with APA rated Sturd-I-Floor panels, 23/32" or heavier should be covered with a minimum 1/4" underlayment. Joist spacing should not exceed 19.2". Set fasteners 1/32" below the subfloor surface, sand joints smooth and fill holes and gaps wider than 1/8" wide. Install suitable underlayment when necessary to achieve a flat or solid surface. Impact SmartLock can be installed over underlayment grade plywood, lauan plywood and other underlayments that are recommended by the panel manufacturer for use with vinyl flooring.

CONCRETE SUBFLOORS

Impact SmartLock can be installed over concrete on all grade levels. Moisture vapor emissions should not exceed 5 lbs. / 1,000 sq. ft. / 24 hours when tested with the Anhydrous Calcium Chloride Test in accordance with ASTM F 1869 or 80% RH in accordance with ASTM F 2170 "Standard Test Method for Determining Relative Humidity in Concrete Slabs using in situ Probes".

- Fill cracks; saw cuts and control joints and level wavy floors or uneven areas that exceed 3/16" in 10' or 1/16" in 1'.

- Do not install flooring over expansion joints.

RADIANT HEATED SYSTEMS

Impact SmartLock can be installed over in-floor radiant heating systems provided the subfloor surface does not exceed 85°F at any point. The initial floor temperature should not exceed 70°F for 24 hours prior to and 48 hours after installation. Thereafter the temperature should be gradually increased to the desire setting up to 85°F. Radiant heating systems that are installed on top of the subfloor surface must be covered with a minimum 3/4" concrete topping.

EXISTING FLOORING

Impact SmartLock can be installed over a variety of finished floors including single layer resilient sheet floor and tile, ceramic, marble and terrazzo. The surface must be in good condition with no indication of excessive moisture or moisture damage.

- Level deep or wide grout lines with embossing leveler.

- Do not install flooring over heavy cushioned floors, cushioned backed floors or over tile installed over concrete below grade level.

- The grout joints in ceramic tile and marble must be leveled so they are flush with the tile surface.

- Additionally the tile may require several skim coats to achieve a flat surface.

ASBESTOS 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.*

INSTALLATION

For best appearance planks should be installed parallel to the long dimension of the room and preferably parallel with outside light sources i.e. windows and doors.

- Measure the width of the room and snap a chalk line down the center of the floor. Determine the width of the plank in the last row either through measurements or dry layouts.

- If smaller than one-half of the plank width, adjust the chalk line in either direction one-half of the plank width to achieve larger cut planks at the side walls.

- Snap a second chalk line by measuring from the center line over toward the starting wall.

- Use a multiple of the plank width to establish the starting line for the first rows of planks.

- Start the installation in the left hand corner of the room with the edge of the plank accurately positioned at the chalk line and with the tongue side and end toward the starting wall. If necessary trim the plank to fit to the wall allowing a 1/4" expansion space.

- If starting the first row with a whole plank width it will be necessary to trim the tongue off against the wall. Always place the cut edge against the wall.

- To trim planks use a utility knife and a straight edge. Score the top surface of the plank and flex it downward to separate the pieces.

- Attach the end joints of the planks in the first row by inserting the tongue into the groove while holding the plank at a 10º to 15º angle to the floor. Apply light pressure inward and down until the planks lock together (Fig. 1).

- Use spacers in the first row between the edge and end of the planks and the wall to maintain a 1/4" expansion space.
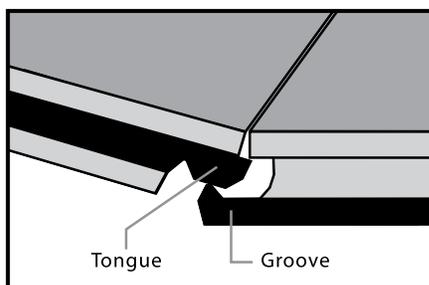
Tongue   Groove

Fig. 1

- Start the second row using 1/3rd of a plank (Fig. 2).
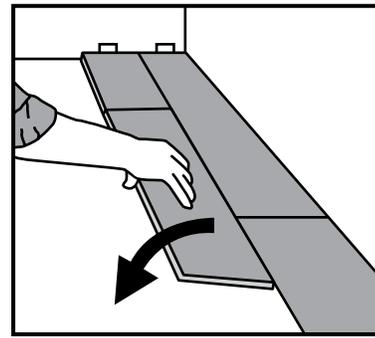

Fig. 2

- Place the cut end against the wall. Insert the tongue on the long side of the plank into the groove of the plank in the first row.

- Hold the plank in a 10º to 15º angle while applying light pressure inward and down until they lock together.

- To complete the second and all successive rows it will be necessary to lock the short end into the previous plank first before locking the long side of the plank. Angle the plank and push the tongue into the groove until the tongue locks into place. It may be necessary to lift both planks slightly to lock the long joint together.

- Complete the second row allowing a 1/4" expansion space at the end of the row.

- Start the third row using 2/3rds of a plank with the cut end against the wall. Complete each row thereafter using a random layout with end joints off-set by at least 8".

- Plan the layout to avoid using small planks (less than 6") at the walls. The cut piece at the end of the row can often be used to start the next row provided it achieves a random layout. Always place the cut end against the wall and allow a 1/4" expansion space.

Impact SmartLock is unique in that it can be installed easily when working forward (placing the tongue in to the groove) or backward (placing the groove in to the tongue).

This allows for easy fitting around door trim and changing direction to go into alcoves or adjoining rooms. SmartLock can also be assembled by using a pull bar or tapping block in difficult areas such as the last row and when fitting around door trim. Use a pull bar to lock the joints together in the last row (Fig. 3).
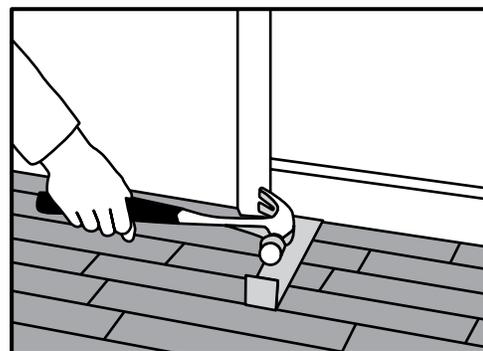

Fig. 3

- Always use a pull bar on the cut edge of the plank. Factory edges can be damaged if the pull bar is used directly against them.

8

When fitting around door trim it will be necessary to slide the plank under the trim. This can be accomplished by starting the row on the side of the room with the door trim and then sliding the plank into place once it is attached. The row can be completed by inserting the tongue in to the groove or the groove into the tongue depending on the direction. A tapping block can also be used to lock the joints together while the planks are in a flat position. Use a piece of scrap flooring with the corresponding joint male or female and a series of light taps until the joint is gradually locked together. Do not hit the edge directly or use excessive force as it could damage the edge of the plank.

SPECIAL INSTRUCTIONS

Bathrooms

When Impact SmartLock is installed in a bathroom the flooring can be laid under the toilet provided that the floor is separated from adjacent rooms with a doorway threshold or transition molding. Otherwise the flooring should be fit around the toilet leaving a 1/8" expansion space. Use a high quality acrylic caulking to fill the expansion space at the toilet, bathtub, shower and all wet areas to prevent surface water from seeping under the floor.

Stairs

Impact SmartLock can be installed fully adhered over steps using AD32 Adhesive. Follow the instruction on the adhesive for trowel size and drying time. Always use a flush stair nose molding to finish each step at the nose.

FINISHING THE JOB

- Remove all spacers.
- Install door and wall trim so they do not pin or restrict the floor from moving.
- Do not install trim tight to the floor.
- Drive fasteners into the wall and not the floor.
- When installing doorway transition moldings allow a 1/4" expansion space between the edge of the floor and the molding fasteners.
- Do not drive fasteners in to the floor.
- Return appliances to the room by rolling or sliding over strips of hardboard to prevent damaging the floor.

REPAIRS

Impact SmartLock is a tough, durable floor however if a plank becomes damaged it can be replaced.

Damaged planks along the wall can be replaced by unlocking the planks in that area and then re-installing them after the replacement plank is installed. Follow the instructions below for replacing a plank in the body of the floor.

- Use a straight edge and utility knife to make a cut down the center of the damaged plank to within 2" of the ends. (Fig. 4)
- Make diagonal cuts from the corner of the plank back to the center cut.
- Remove the damaged plank by lifting the edge of each piece until it unlocks.
- Prepare the replacement plank by removing the bottom of the groove along the long and short side. Check the replacement piece by laying it into place. The plank should fit neatly into place with out gaps at the joints.
- Remove the plank.

Fig. 4

- Before completing the repair, place a 2" wide strip of wax paper under the centered under the edge of the tongue on the long and short side. This will prevent adhesive from bonding the plank to the subfloor.
- Next apply a 1/8" bead of Loctite Power Grab clear heavy duty construction adhesive to the exposed groove along the long and short end of the surrounding planks. Do not use excess adhesive.
- Immediately while adhesive is wet install the replacement plank by inserting the tongue into the groove along the long side.
- Use a tapping block to lock the short end and then drop the plank into position.
- Remove excess adhesive from the surface and roll the edges with a steel hand roller.
- Clean the surface immediately with a clean cloth and mild detergent to remove any adhesive residue. Then dry with a clean soft cloth. *Note, adhesive and adhesive film is not removable if allowed to dry on the surface of the floor.*
- Apply weight to the adhered edges for 20 to 30 minutes.
- Keep traffic off the repair for 12 hours.

ENDURANCE SMARTLINK INSTALLATION INSTRUCTIONS

Endurance SmartLink 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

- Endurance SmartLink is recommended for installation in enclosed heated areas where HVAC has been in operation for at least 10 days. Do not install Endurance SmartLink on ramps or in rooms with sloping floors or floor drains.
- Always handle, store and transport Endurance SmartLink 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 72 hours after installation. Thereafter, maintain a room temperature between 55°F (13°C) and 85°F (29°C).
- Endurance SmartLink is a floating floor. Allow 1/4" space for expansion between the planks and all vertical surfaces. Cover the space with trim. Do not install base cabinets on top of Endurance SmartLink.
- In a large single room with a length of 40 feet and a width greater than 25 feet, the addition of T-molding expansion joints will be required. When transitioning from an adjacent area into another room (i.e. a hallway into a bedroom) maintain adequate expansion in the doorways by using T-moldings and undercutting the door casings.
- Do not install Endurance SmartLink in a dusty environment or remove the paper liner from the adhesive strip until ready to be covered with a plank.
- **Protect Impact SmartLock finished installations from prolonged exposure to direct sunlight. Close curtains or blinds where extreme sunlight hits the floor. Prolonged direct sunlight can result in fading and discoloration. Excessive surface temperatures can cause floor expansion that may result in buckling or delamination.**

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

Endurance SmartLink 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.
- Deviations in the subfloor should not exceed 3/16" in 10' or 1/16" in 1'.
- Subfloor deflection should not exceed 1/360th of the span. Set nails and fasteners 1/32" below the surface.
- Fill depressions wider than 1/8" with a portland cement-based latex patching compound.

SUBFLOOR SURFACE	SPECIFICATION
Wood subfloor suspended over joist or trusses up to 19.2" OC	• Single layer Sturd-I-Floor rated panel 23/32" or heavier • Double layer construction, minimum 1" thick • Minimum of 18" of well ventilated air space below structural supports
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 less than 5 lb. or 80% RH. 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. Thereafter the maximum floor temperature should not exceed 85°F (29°C).
Existing Resilient Flooring and Tile Note: Refer to warning statement below.	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.

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 (RFCI)

115 Broad Street • Suite 201
La Grange, GA 30204 • www.rfci.com

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).
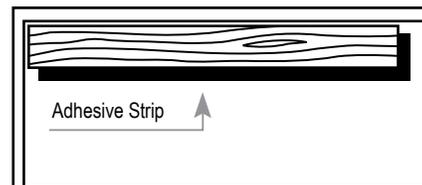

Adhesive Strip

Fig. 1

- Allow a 1/4" 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).
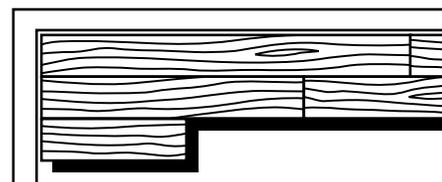

Fig. 2

- 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).

- Thereafter 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 1/4".

- 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 by removing the adhesive strips from a plank and placing 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 sides and one end (Fig. 3).

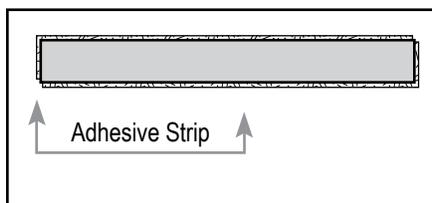- Continue to install planks in the opposite direction as required.

Adhesive Strip

Fig. 3

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.

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 Testors® 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 1/4" 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 sicone 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.

UNDERflor®
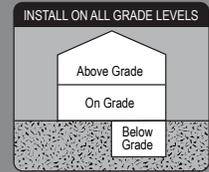
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Congoleum®

TIMELESS
LUXURY PLANK & TILE
by CONGOLEUM

TRIVERSA™

TRIVERSA™ INSTALLATION INSTRUCTIONS

GENERAL INFORMATION
ATTENTION! READ BEFORE INSTALLING!

- Handle cartons and flooring carefully to protect the locking edge profile. Always transport and store cartons in the original packaging, neatly stacked horizontally on a smooth, flat, solid surface.

- Do not stack pallets more than 3 high and protect the package corners during storage.

- Triversa is recommended for residential and commercial use in dry, interior, heated areas.

- Under typical conditions, Triversa does not need to be acclimated to the jobsite. Acclimation is recommended if extreme temperature variations occur during storage or transportation. For best results, acclimate the **room(s)** at a constant temperature between 65°F and 85°F for 48 hours prior to and during the installation.Temperature thereafter should be maintained between 50° F and 100° F. Do not install flooring over sloped floors, ramps or in wet areas.

- Carefully inspect flooring material prior to installation.

- Mix planks from several different cartons to ensure a random appearance.

- Always allow a 1/4" expansion space around the entire perimeter of the room, at all base cabinets, fixtures and pipes. Cover the exposed edges with trim or fill the gap with a high quality acrylic caulking.

- If the installation area has a width and/or length greater than 50 lineal feet, an expansion joint will be required. Cover the expansion joint with a Congoleum Transition molding.

- All base cabinets must be installed prior to installing flooring. Do not install base cabinets or island cabinets on top of the floor.

PREPARING THE AREA

- Remove all furniture and appliances from the room(s)
- Remove the wall base and doorway trim
- Always undercut wood door casings
- Thoroughly sweep the subfloor removing all dust and debris

SUBFLOOR RECOMMENDATIONS

Triversa can be installed over a variety of subfloor surfaces including concrete on all grade levels, wood subfloors and many existing hard surface floors.

- The subfloors must be clean, smooth, flat, solid and dry.

- Do not install planks over floors that are sloped for drainage or uneven floors where deviations are greater than 3/16" in 10' or 1/16" in 1'. Subfloor deflection should not exceed 1/360th of the span. Uneven or wavy floors must be leveled with portland cement based patching compound.

WOOD SUBFLOORS

Triversa is suitable for installation 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 particle board

- Set fasteners 1/32" below the subfloor surface, sand joints smooth and fill holes wider than 1/8". Install suitable underlayment when necessary to achieve a flat or solid surface.

CONCRETE SUBFLOORS

Triversa can be installed over concrete on all grade levels.

- Moisture vapor emissions should not exceed 5 lbs. / 1,000 sq. ft. / 24 hours when tested with the Anhydrous Calcium Chloride Test in accordance with ASTM F 1869 or 80% RH in accordance with ASTM F 2170 "Standard Test Method for Determining Relative Humidity in Concrete Slabs using in situ Probes". The pH range of the concrete should be between 5-9.

- Fill cracks, saw cuts, and control joints that are wider than 1/8".

- Level wavy floors or uneven areas that exceed 3/16" in 10' or 1/16" in 1'.

- Do not install flooring over expansion joints.

Please note: Triversa is waterproof, but it's not a moisture barrier. Moisture won't damage Triversa, but it can penetrate the walls and affect the structure of the home. That's why it's important to make sure concrete is cured and tested for moisture.

RADIANT HEATED SYSTEMS

Triversa can be installed over in-floor radiant heating systems provided the subfloor surface does not exceed 85°F at any point. The initial floor temperature should not exceed 70°F for 48 hours prior to and 48 hours after installation. Thereafter the temperature should be gradually increased to the desired setting up to 85°F. Radiant heating systems that are installed on top of the subfloor surface must be covered with a minimum 3/4" concrete topping.

EXISTING FLOORING

Triversa can be installed over a variety of finished floors including single layer resilient sheet floors and tile, ceramic, marble and terrazzo. The surface must be in good condition with no indication of excessive moisture or moisture damage. Do not install flooring over heavy cushioned floors, cushioned backed floors or over tile installed over concrete below grade level. The grout joints in ceramic tile and marble must be leveled so they are flush with the tile surface. Additionally the tile may require several skim coats to achieve a flat surface.

ASBESTOS 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.

TOOLS AND MATERIALS

- Pencil
- Chalk Line
- Hammer
- Pull Bar
- Power Circular saw or Jigsaw

- Tape Measure
- ¼" Spacers
- Tapping Block
- Utility knife

CUTTING

Triversa can be cut using a score and snap technique (score with a sharp utility knife blade and carefully snap the plank) or a power circular saw or jigsaw. Exercise care when using the score and snap method to avoid damaging the edge profile.

INSTALLATION

- For best appearance planks should be installed parallel to the long dimension of the room and preferably parallel to outside light sources i.e. windows and doors.

- Measure the width of the room and snap a chalk line down the center of the floor.

- Determine the width of the plank in the last row either through measurements or dry layouts. If smaller than one-half of the plank width, adjust the chalk line in either direction one-half of the plank width to avoid narrow pieces at the side walls.

- If the wall along the first row of planks is irregular, scribe the planks to fit and cut them.

- Plan the layout to avoid using small planks (less than 8") at the walls. The cut piece at the end of the row can often be used to start the next row provided it achieves a random layout. Always place the cut end against the wall and allow a 1/4" expansion space.

- Start the installation in the left hand corner of the room with the edge of the plank accurately positioned at the chalk line and with the tongue side toward the starting wall. (See figure 1.)

groove   tongue   wall
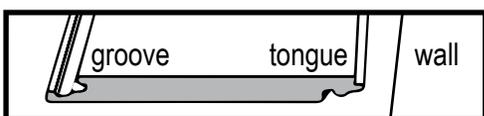
Figure 1

- Insert ¼" spacers for expansion along the edges and ends where the planks meet the wall. (See figure 2.)

- Attach the second plank to the first plank in the first row by holding the plank at a low angle to the floor and inserting the end tongue into the end groove applying light pressure inward and down until the planks secure together. (See figure 3.)

- Use spacers in the first row between the edge and end of the last plank and the wall to maintain a 1/4" expansion space.

- Start the second row using the piece cut from the last piece in the first row as long as it is more than 8".

- Place the cut end against the wall. Insert the tongue on the long side of the plank into the groove of the plank in the first row. Hold the plank in a low angle while applying light pressure inward and down until they secure together.

- Then, use a hammer and tapping block to secure long side of the planks together. Be sure to tap on the edge of the vinyl so as not to damage locking profile. (See figure 4.)

- Insert the tongue of the next plank into the groove of the plank in the first row. Hold the plank in a low angle while applying light pressure inward and down until they secure together.

- Slide the plank toward end of previously installed plank until the tongue just touches the groove.
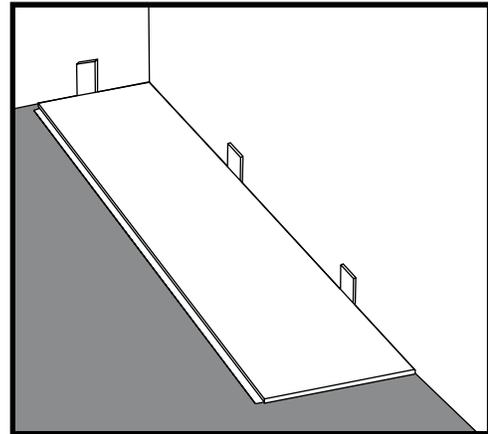

Figure 2

- Attach a scrap piece of flooring as a guide to bridge the gap between the ends of the planks.
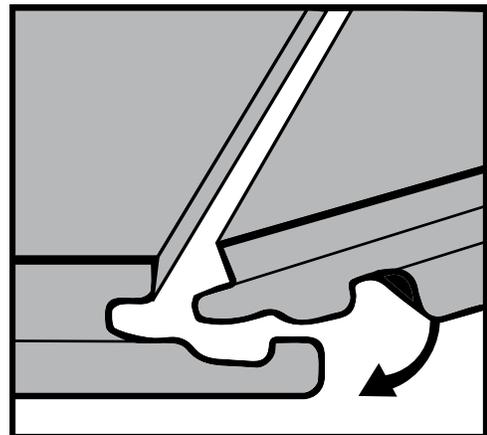

Figure 3

- Tap the end of plank using a hammer and tapping block to secure ends of planks together. (See figure 5.)

- Remove the guide and continue installing the second row in the same way.

- Use a hammer and pull bar to secure final piece in the second row allowing a 1/4" expansion space at the end of the row. (See figure 6.)
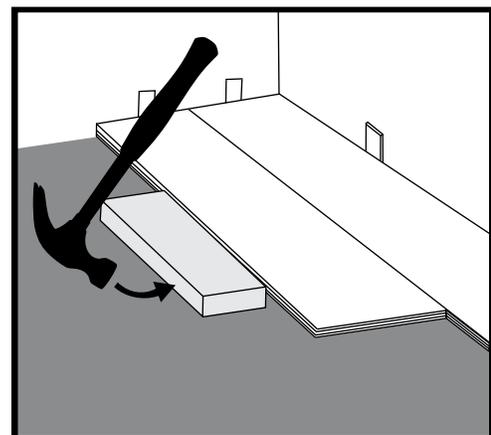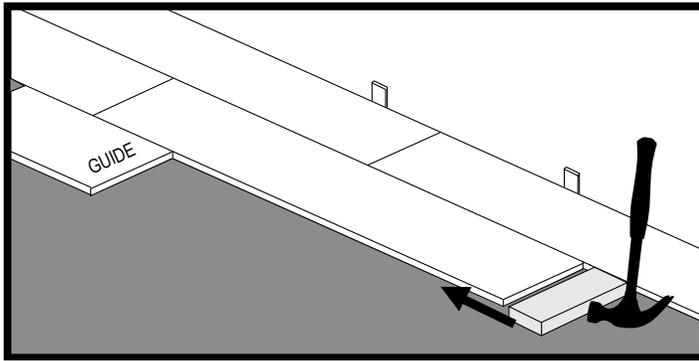

Figure 4

Figure 5

- Complete each row thereafter in the same manner using a random layout with end joints off-set by at least 8". Work from several different cartons to ensure a random pattern layout.
- If the wall along the last row of planks is irregular, scribe the planks to fit and cut them.
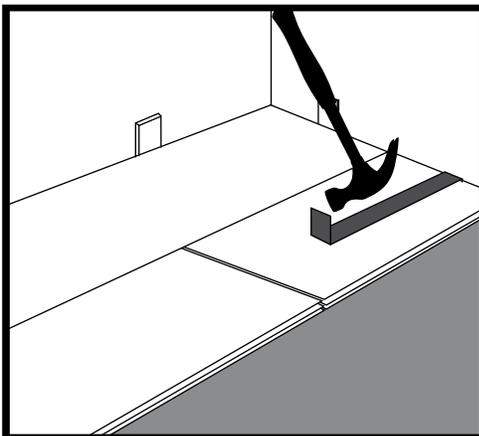- Use a hammer and pull bar to secure long edges of planks on final row.

Figure 6

- Always use a pull bar on the cut edge of the plank. Factory edges can be damaged if the pull bar is used directly against them. (See figure 7.)
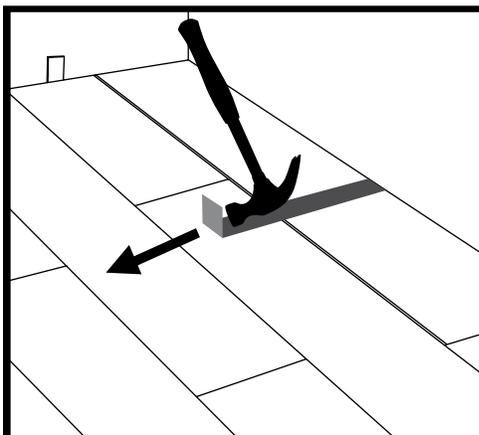
Figure 7

- Triversa can be installed easily when working forward (placing the tongue in to the groove) or backward (placing the groove in to the tongue). This allows for easy fitting around door trim and changing direction to go into alcoves or adjoining rooms.
- Triversa can also be assembled by using a pull bar or tapping block in difficult areas such as the last row and when fitting around any door trim.

- When fitting around door trim it will be necessary to slide the plank under the trim. This can be accomplished by starting the row on the side of the room with the door trim and then sliding the plank into place once it is attached. The row can be completed by inserting the tongue in to the groove or the groove into the tongue depending on the direction.
- A tapping block can also be used to secure the joints together while the planks are in a flat position.
- Use a piece of scrap flooring with the corresponding male or female joint and a series of light taps until the joint is gradually secured together.
- Do not hit the edge directly or use excessive force as it could damage the edge of the plank.

SPECIAL INSTRUCTIONS

BATHROOMS

When Triversa is installed in a bathroom the flooring can be laid under the toilet provided that the floor is separated from adjacent rooms with a doorway threshold or transition molding. Otherwise the flooring should be fit around the toilet leaving a 1/8" expansion space. Use a high quality acrylic caulking to fill the expansion space at the toilet, bathtub, shower and all wet areas to prevent surface water from seeping under the floor.

STAIRS

Triversa can be installed fully adhered over steps using AD-62 Adhesive. Follow the instruction on the adhesive for trowel size and drying time. Always use a stair nose molding to finish each step at the nose.

FULLY ADHERED INSTALLATION

In commercial environments subjected to heavy rolling loads, or where high performance requirements must be met,, Triversa can be installed fully adhered using Congoleum AD-62 adhesive. Use a 1/16" x 1/16" x 1/16" square notch trowel. Refer to the AD-62 label for recommended substrates and open time.

FINISHING THE JOB

Remove all spacers. Install wall trim so it does not pin or restrict the floor from moving. Drive fasteners into the wall and not the floor. When installing Congoleum Transitions or doorway transition moldings allow a 1/4" expansion space between the edge of the floor and the molding fasteners. Do not drive fasteners in to the floor. Return appliances to the room by rolling or sliding over strips of hardboard to prevent damaging the floor.

IMMEDIATELY AFTER INSTALLATION

- Protect the flooring and resume normal traffic.
- Always move heavy furniture and appliance with care to avoid scratching or gouging 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.
- Damp mopping your floor using Bright 'N Easy No-Rinse Cleaner or other suitable resilient floor cleaner after installation.

REPAIRS

Triversa is a tough, durable floor; however, if a plank becomes damaged, it can be replaced. Damaged planks along the wall can be replaced by unlocking the planks in that area and then re-installing them after the replacement plank is installed.

TO REPLACE A PLANK IN THE BODY OF THE FLOOR:

- Use a power circular saw to make a cut down the center of the damaged plank to within 2" of the ends. (See figure 8.)
- Make diagonal cuts from the corner of the plank back to the center cut. (See figure 9.)
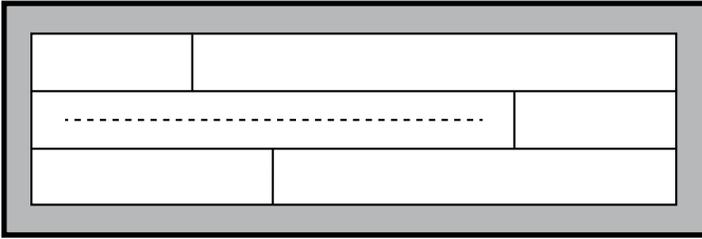- Remove the damaged plank by lifting the edge of each piece until it unlocks.

Figure 8

- Prepare the replacement plank by removing the bottom of the groove along the long and short side. Check the replacement piece by laying it into place. The plank should fit neatly into place without gaps at the joints. Remove the plank.

- Before completing the repair, place a 2" wide strip of wax paper centered under the edge of the tongue on the long and short side. This will prevent adhesive from bonding the plank to the subfloor.

- Next apply a 1/8" bead of Loctite Power Grab© Heavy Duty® construction adhesive to the exposed groove along the long and short end of the surrounding planks. Do not use excess adhesive.

- Immediately while adhesive is wet install the replacement plank by inserting the tongue into the groove along the long side. Use a tapping block to secure the short end and then drop the plank into position. Remove excess adhesive from the surface and roll the edges with a steel hand roller. Clean the surface immediately with a clean cloth and mild detergent to remove any adhesive residue. Then dry with a clean soft cloth. Note: adhesive and adhesive film is not removable if allowed to dry on the surface of the floor. Apply weight to the adhered edges for 20 to 30 minutes.
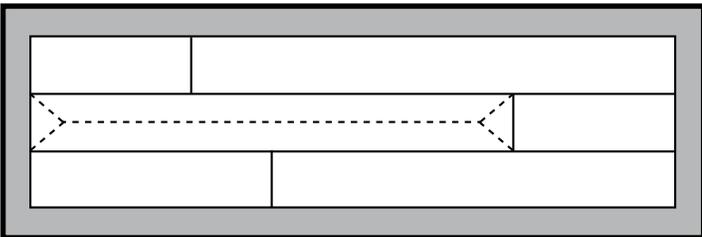
- Keep traffic off the repair for 12 hours.

Figure 9

UNDERflor
FLOATING UNDERLAYMENT
WITH QUIKSTIK® ADHESIVE

INSTALLATION INSTRUCTIONS

FEATURES

- Fast and easy floating floor system with pre-applied adhesive
- Provides performance advantages and reliability of a glue-down installation
- No messy adhesive to spread
- No open time
- No odor

RECOMMENDED USE

- Residential applications on all grade levels.
- Interior use in dry, heated areas.
- For installation of most resilient flooring planks and tiles including Congoleum DuraCeramic® Origins, DuraCeramic Dimensions®, Ovations®, Impact™ and Endurance®.

SUBFLOOR AND PREPARATION

- 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.

Wood Floors must be structurally sound and free of movement with at least 18" of well-ventilated air space below. Sand joints smooth and set fasteners flush with the surface. UnderFlor QuikStik Underlayment can be installed over gaps in joints up to 1/8" wide. Rough, weathered or damaged subfloor panels must be patched and/or sanded smooth prior to installation.

Concrete Floors must be clean, dry and smooth. Level, rough or uneven surfaces with a portland cement-based patching compound. UnderFlor QuikStik Underlayment can be installed over cracks up to 1/8" wide. Moisture vapor emissions should not exceed 5-lbs./1000 ft.²/24 hrs when tested with the calcium chloride kit or 80% RH (ASTM F2170).

GENERAL INFORMATION

- Always ensure UnderFlor QuikStik Underlayment is tightly rolled around a tube with the release liner out for storing and transporting.
- **Any unused portion of the roll must be tightly secured around the tube.**
- Do not distort UnderFlor QuikStik Underlayment.
- 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 QuikStik 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 of the flooring system and subfloor.

UnderFlor Underlayment with QuikStik Adhesive can be installed over:

SUBFLOOR CONSTRUCTION / MATERIALS	COMMENTS	NOTES
Wood	• Double layer construction over joist or trusses on 16" or 19.2" centers • Single layer floors constructed with APA Rated Sturd-I-Floor T&G Panels , minimum 23/32" over joists or trusses on 16" or 19.2" centers	Subfloor must be smooth, solid and free of movement
Underlayment	• APA underlayment grade plywood • Oriented Strand Board (OSB) • NPA rated Particleboard	Weather damaged or rough surface materials must be sanded smooth
Concrete	• On, above and below grade level • Radiant heat floors not to exceed 85°F	Moisture vapor emissions not to exceed 5 lbs. or 80% RH
Gypsum Topping and Light weight Concrete	• Minimum 2,000 psi compression rating	Fill depressions and cracks wider than 1/8"
Resilient Floor	• Smooth, or textured sheet flooring • Vinyl composition tile • Do not install over soft heavy cushioned floors, flooring with a cushioned backing or tile installed below grade level.	Must be single layer, fully adhered and well bonded.
Ceramic and Stone	• Ceramic, marble and granite	Apply skim coat(s) to level the surface
Old Adhesive Residue and Paint	• Adhesive Residue - Scrape to remove heavy spots, cover with a thin layer of dry patching compound powder to eliminate stickiness, and cover with a 4 mil sheet of poly film • Paint - Remove loose paint	Follow Recommended Work Practices for Adhesive and Paint Removal

QUIKSTIK UNDERLAYMENT INSTALLATION

- Thoroughly sweep the floor.

- Determine the appropriate seam location and direction of the underlayment (based on the flooring selection).

FOR TILE INSTALLATION

UnderFlor QuikStik Underlayment must be positioned in the room with seams at least 4" away from the joints in the finished floor tile. (Figure 1).
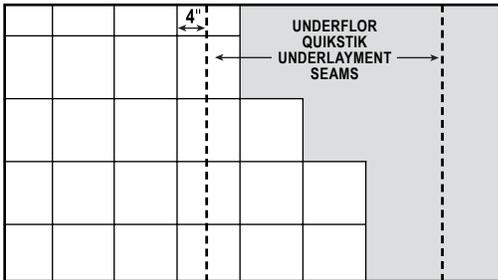

Fig. 1 – Position UnderFlor QuikStik Underlayment seams at least 4" away from tile joints.

FOR PLANK INSTALLATIONS

Always install the underlayment running perpendicular to the long dimension of the plank flooring (Fig. 2). Install planks with staggered end joints positioned at least 2" away from the seams in the underlayment.

- Install UnderFlor QuikStik Underlayment with the felt side down.

- Unroll the first sheet and trim to fit allowing 1/8" to 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 against the first sheet.

- The pre-applied adhesive layer stops about 1 1/8" from each edge. This allows you to butt the edges together and apply the double face tape (included in the carton) along the edges without having to pull back the release liner.
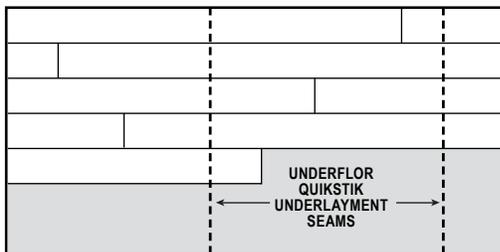

Fig. 2 – Install UnderFlor QuikStik Underlayment seams perpendicular to the long dimension of the plank flooring.

- Always roll the seam tape with a hand roller to firmly embed it.

- Minor rips or tears can easily be fixed by simply pulling back the release liner on either side of the tear and applying a piece of the seam tape to the torn area.

STARTING LINES FOR LAYOUT

- Determine your starting line(s).

- There are two methods you can use to make the marks to chalk your starting lines:

  □ Apply a piece of blue painter's tape on the wall or trim adjacent to the floor and make your mark on the tape.

  □ **OR** Make pencil marks on the liner near opposite walls. Then lightly score the release liner with a utility knife creating a football area around the marks. **Note:** Always score the release liner very lightly so that you do not cut through the UnderFlor QuikStik Underlayment. This will allow you to pull back the rest of the liner far enough to expose the area to snap your chalk lines, but still leave your marks on the liner in the football area.

- After making your marks, carefully peel back the release liner in one half of the area to a point just past your starting marks. We recommend that you roll up the liner as you peel it back.

- Only remove the liner as needed exposing the adhesive in the area where you are working. Think of it as if you were actually spreading adhesive.

- For plank installations, you can snap your starting line and immediately begin to install the planks following the appropriate product installation instructions.

- For tile installations, you will also need a perpendicular starting line. After snapping your first starting line, carefully replace the release liner in one quadrant of the area. Then roll back the release liner in the opposite quadrant to a point just beyond your perpendicular marks. This will allow you to make your second perpendicular starting line. You can then immediately begin to install your tile following the appropriate installation instructions.

- Be sure to remove the release liner from the tape before installing the flooring product.

CAUTION: RELEASE LINER IS A SLIPPING HAZARD.

INSTALLATION TIPS

- When making cuts, you can place a piece of the release liner back over the adhesive to allow you to dry fit the tile or plank. Simply remove the liner when you are satisfied with the cut piece.

- You may also lightly place a piece of the release liner under an undercut door casing leaving the liner overlapping the adjacent "in-place" piece. This will allow you to easily slide the piece under the casing and then pull out the liner.

- Be careful not to press the tile or plank into the adhesive until you are sure it is an exact fit. This will make it easier to pull up the tile or plank and reposition it if necessary.

- The flooring seats very well in the adhesive layer. Rolling the floor with a three section roller is optional.

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.

REPAIRS

Repairs are very simple. To replace a damaged plank or tile:

- Warm the piece with a heat gun.

- Use a sharp utility knife to cut through a corner of the damaged piece taking care not to cut into the UnderFlor QuikStik Underlayment.

- Lift the end of the piece and continue heating.

- As you provide sufficient heat, the piece will release from the adhesive.

- Lift out the entire piece and warm the exposed adhesive.

- Install the new piece and set it firmly into place with a hand roller.

UNDERflor

**SAME GREAT PRODUCTS UNDER
A NAME YOU ALREADY TRUST**
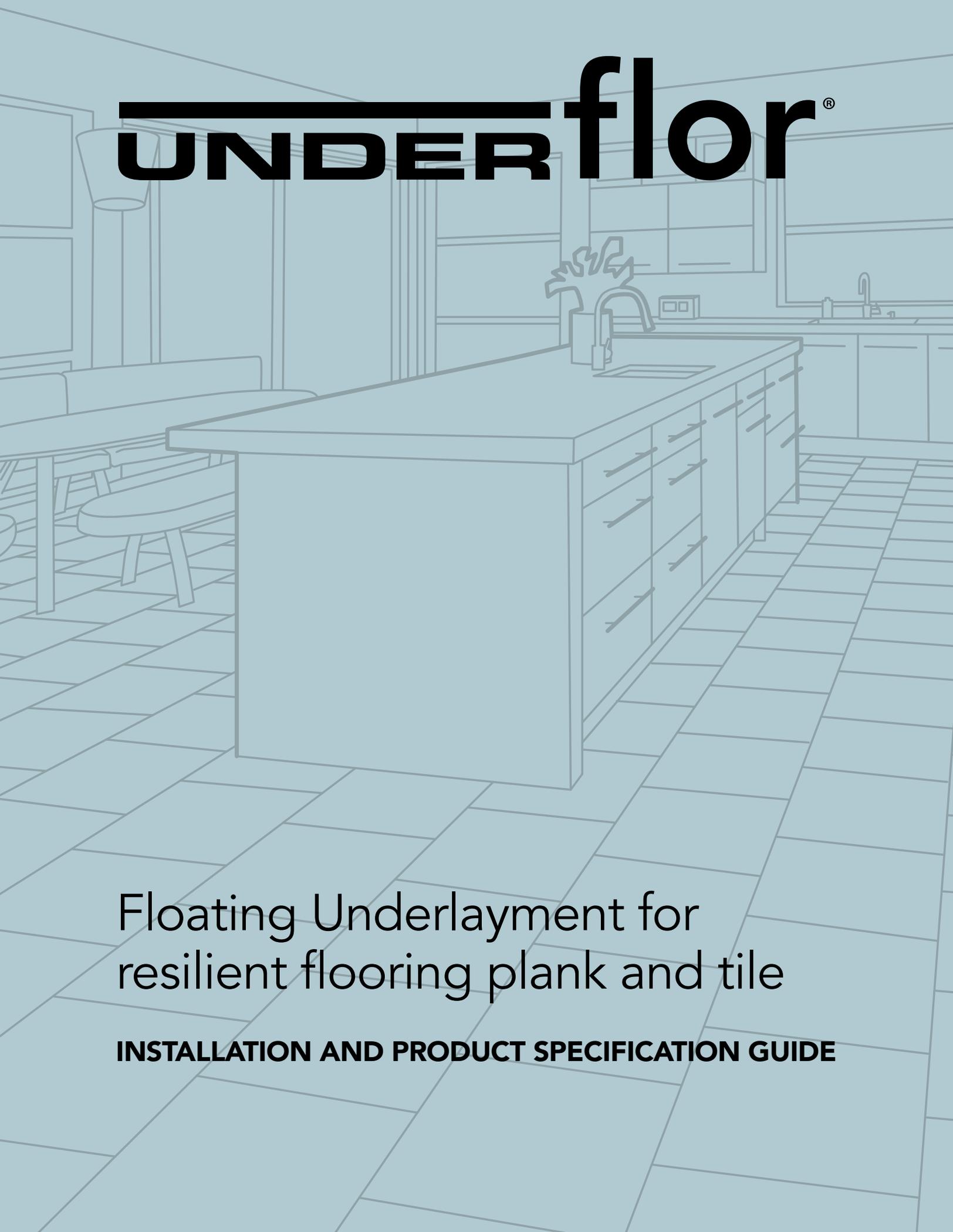
UNDERflor®

Floating Underlayment for resilient flooring plank and tile

INSTALLATION AND PRODUCT SPECIFICATION GUIDE

UNDERflor®

THE ORIGINAL FLOATING UNDERLAYMENT

The all-in-one underlayment system for Floating Installations of most resilient flooring planks and tiles, including Congoleum DuraCeramic® Origins, DuraCeramic Dimensions®, Ovations®, Impact and Endurance®

HERE'S WHY UNDERFLOR UNDERLAYMENTS ARE PERFECT FOR YOUR NEXT INSTALLATION.

UnderFlor underlayments provide:

- 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

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

All UnderFlor underlayments 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 UNDERLAYMENT INSTALLATION

- Install UnderFlor Underlayment with the vinyl (shiny) side down just prior to installation (Fig. 1).
- UnderFlor Underlayment 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 the recommended 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 UnderFlor Underlayment, please visit www.congoleum.com.

Fig. 1. Unroll with vinyl side down.

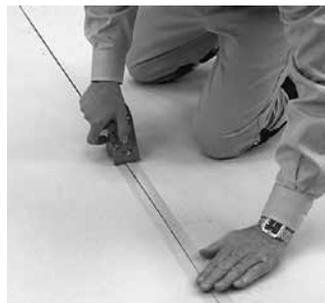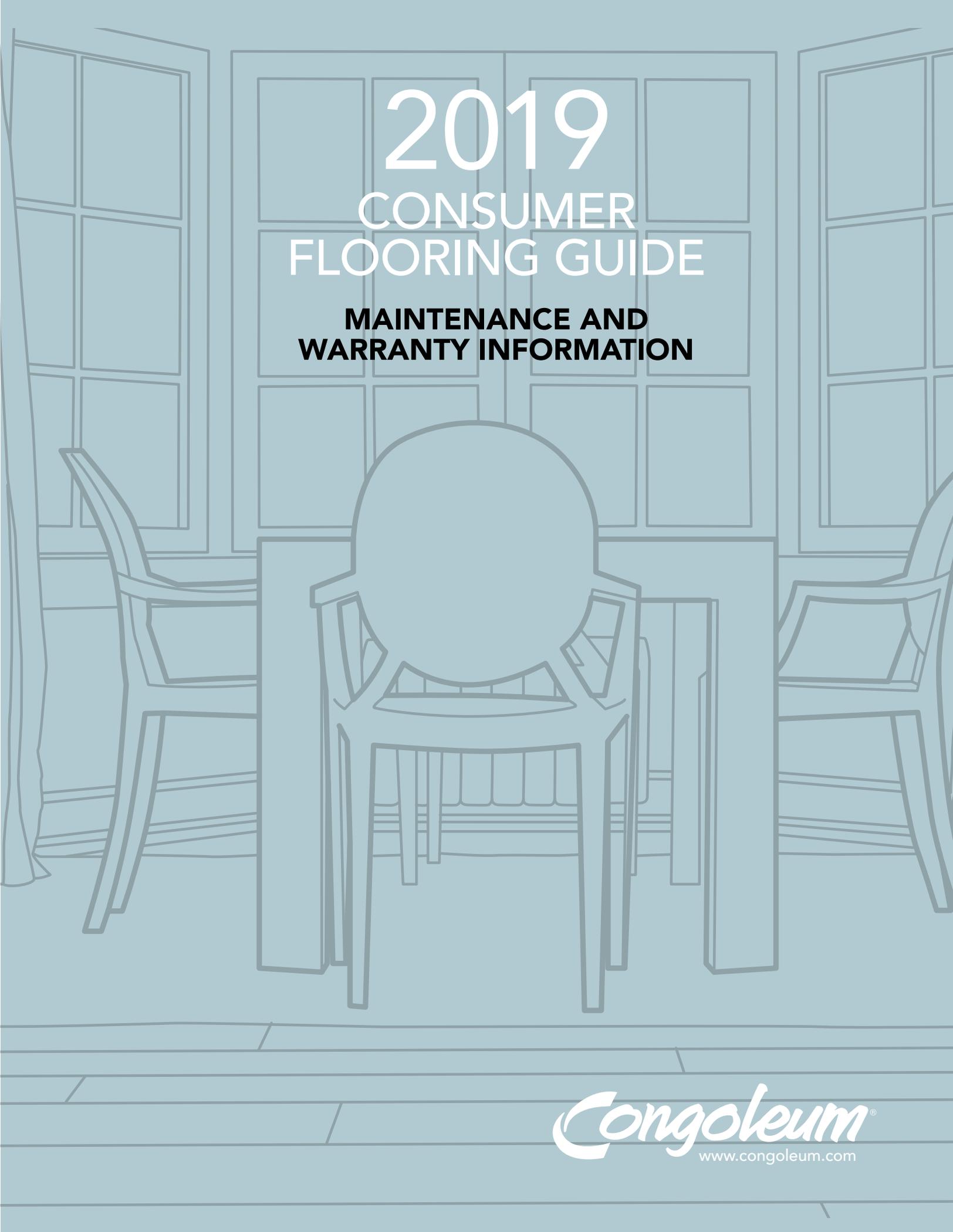**Fig. 2.** Cut leaving 1/8" to 1/4" space at perimeter.

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

Fig. 4. Apply adhesive and install product.

UNDERflor®

SAME GREAT PRODUCTS UNDER A NAME YOU ALREADY TRUST

2019
CONSUMER
FLOORING GUIDE

MAINTENANCE AND
WARRANTY INFORMATION

Congoleum®

www.congoleum.com

CARING FOR YOUR FLOOR

IMMEDIATELY AFTER INSTALLATION

- 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.

- 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.

- 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 Bright 'N Easy No-Rinse Cleaner or other suitable floor cleaner 48 hours after installation.

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 cause the floor to become slippery.

- Immediately after the installation of Endurance SmartLink:

  □ Keep the room temperature between 65°F and 85°F for at least 48 hours after installation. Maintain the room temperature between 55°F and 85°F thereafter.

  □ Do not wash or scrub Endurance SmartLink 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.

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 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 UnderFlor Premixed 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 Bright 'N Easy Polish Remover to remove any ground-in dirt and excess polish buildup. Rinse thoroughly. Then apply Bright 'N Easy Floor Polish (03002) to obtain a high-gloss finish or Bright 'N Easy Satin-Gloss Floor Polish (03007) to obtain a satin-gloss or natural-gloss finish. Do not apply polish to DuraCeramic® Origins, DuraCeramic Dimensions®, AirStep Advantage®, AirStep Evolution®, AirStep Plus®, ArmorCore LC, ArmorCore UR or ArmorCore Pro UR.

CARE FOR ALTERNATIVES

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 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 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 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 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 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			REMEDY
			• Scrub area with 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.

STAINS AND SPILLS			REMEDY
Dry Cleaning Fluds Lacquer Latex Paints	Nail Polish Solvents Oil-Based Paints	Wood Stains Varnish	• If substance is dry, gently peel it from the floor. (Avoid sharp instruments that could scratch the floor.) • Scrub area with Bright 'N Easy No-Rinse Cleaner. • Rub lightly with mineral spirits or paint thinner*.

SUBSTANCE THAT WON'T WIPE UP			REMEDY
Adhesives Asphalt Chewing Gum	Oil Grease	Candle Wax Tar	• Carefully remove excess with a dull kitchen knife. • Scrub area with Bright 'N Easy No-Rinse Cleaner. • Rub lightly with mineral spirits, isopropyl alcohol* or lighter fluid*.

SCUFFS AND SMUDGES		REMEDY
Rubber Heel Marks Shoe Polish	Scuffs Smudges	• Scrub area with 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 PRODUCTS WARRANTY SUMMARY

This is an abbreviated warranty summary, please find complete specific warranties for each product on our website **www.congoleum.com.**

DURACERAMIC

RESIDENTIAL LIMITED WARRANTY

Products	DuraCeramic Origins	DuraCeramic Dimensions
Coverage	**W A R R A N T Y**	**P E R I O D**
• will not wear through	Lifetime	Lifetime
• will be free of manufacturing defects	Lifetime	Lifetime
• will not stain	Lifetime	Lifetime
• will not change gloss level	Lifetime	Lifetime
• will not rip, tear, scratch, cut, chip or break	Lifetime	Lifetime

ADDITIONAL SCOTCHGARD™ PROTECTOR LIMITED WARRANTY

Coverage	W A R R A N T Y	P E R I O D
• will be easy to clean	15 Years	15 Years
• will repel dirt and grime	15 Years	15 Years

Labor coverage - 5 years if labor paid for when original floor was installed.

LIGHT COMMERCIAL LIMITED WARRANTY

Coverage	W A R R A N T Y	P E R I O D
• will be free of manufacturing defects	5 Years	5 Years
• will not discolor from mold, mildew or alkali	5 Years	5 Years

Labor coverage - if labor paid for when original floor was installed: Year 1 – 100%, Years 2-3 – 50%, Year 4+ – No labor.

OVATIONS

Product	Ovations
Coverage	**W A R R A N T Y P E R I O D**
• will not wear through	20 Years
• will be free of manufacturing defects	20 Years
• will not stain	20 Years
• will not fade	20 Years

Labor coverage - 5 years if labor paid for when original floor was installed.

TIMELESS

Products	Triversa and Triversa ID
Coverage	**W A R R A N T Y P E R I O D**
• will not wear through	Lifetime
• will be free of manufacturing defects	Lifetime
• will not stain	Lifetime
• will not fade	Lifetime
• will not rip or tear	Lifetime
• will not permanently indent when proper floor protectors are used	Lifetime

Labor coverage - 5 years if labor paid for when original floor was installed.

Products	Triversa and Triversa ID
Coverage	**W A R R A N T Y P E R I O D**
• will be free of manufacturing defects	10 Years
• will not discolor from mold, mildew or alkali	10 Years

Labor coverage - if labor paid for when original floor was installed: Year 1 – 100%, Years 2-3 – 50%, Year 4+ – No labor.

Products	Structure	Impact & Impact SmartLock	Endurance & Endurance SmartLink
Coverage	**W A R R A N T Y**	**P E R I O D**	
• will not wear through	Lifetime	25 Years	10 Years
• will be free of manufacturing defects	Lifetime	25 Years	10 Years
• will not stain	Lifetime	25 Years	10 Years
• will not fade	Lifetime	25 Years	10 Years
• will not rip or tear	Lifetime	25 Years	10 Years
• will not permanently indent when proper floor protectors are used	Lifetime	25 Years	10 Years

Labor coverage - 5 years if labor paid for when original floor was installed.

Products	Structure	Impact & Impact SmartLock	Endurance & Endurance SmartLink
Coverage	**W A R R A N T Y**	**P E R I O D**	
• will be free of manufacturing defects	10 Years	7 Years	5 Years
• will not discolor from mold, mildew or alkali	10 Years	7 Years	5 Years

Labor coverage - if labor paid for when original floor was installed: Year 1 – 100%, Years 2-3 – 50%, Year 4+ – No labor.

AIRSTEP

Products	AirStep Advantage	AirStep Evolution	AirStep Plus
Coverage	**W A R R A N T Y**	**P E R I**	**O D**
• will not wear through	Lifetime	50 Years	20 Years
• will be free of manufacturing defects	Lifetime	50 Years	20 Years
• will not stain including stains from asphalt tracking, rubber-backed mats and common household items	Lifetime	50 Years	20 Years
• will not permanently scuff from shoe soles including sneakers	Lifetime	50 Years	20 Years
• will not fade or discolor from heat or sunlight	Lifetime	50 Years	20 Years
• will not discolor from mold, mildew or alkali	Lifetime	50 Years	20 Years
• will not gouge, rip or tear from normal use	Lifetime	50 Years	20 Years
• will not permanently indent when proper floor protectors are used	Lifetime	50 Years	20 Years

ADDITIONAL SCOTCHGARD™ PROTECTOR LIMITED WARRANTY

• will be easy to clean	15 Years	15 Years	15 Years
• will repel dirt and grime	15 Years	15 Years	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 floors will be warranted as follows:

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

Labor coverage - If labor paid for when original floor was installed:
AirStep Advantage, AirStep Evolution, AirStep Plus - 5 years if labor paid for when original floor was installed.

VINYL COMPOSITION TILE

Products	Alternatives		
Coverage	**W A R R A N T Y**	**P E R I**	**O D**
• will not wear through	10 Years		
• will be free of manufacturing defects	10 Years		
• will not discolor from mold, mildew or alkali	5 Years		

Labor coverage - 5 years if labor paid for when original floor was installed.

COMMERCIAL LIMITED WARRANTY

Coverage	**W A R R A N T Y**	**P E R I**	**O D**
• will be free of manufacturing defects	5 Years	5 Years	5 Years
• will not discolor from mold, mildew or alkali	5 Years	5 Years	5 Years

Labor coverage - if labor paid for when original floor was installed: Year 1 – 100%, Years 2-3 – 50%, Year 4+ – No labor.

ARMORCORE

Products	ArmorCore LC	ArmorCore Pro UR	ArmorCore UR	ArmorCore Pro	ArmorCore
Coverage	**W A R R A N T Y**		**P E R I O D**		
• will not wear out	25 Years	10 Years	10 Years	5 Years	5 Years
• will be free of manufacturing defects	25 Years	10 Years	10 Years	5 Years	5 Years
• will not stain from asphalt tracking	25 Years	10 Years	10 Years	5 Years	5 Years
• will not gouge, rip or tear from normal use	25 Years	10 Years	10 Years	5 Years	5 Years
• will not indent when proper floor protectors are used	25 Years	10 Years	10 Years	5 Years	5 Years
• will not discolor from mold, mildew or alkali	25 Years	10 Years	10 Years	5 Years	5 Years
• will not stain, including stains from rubber-backed mats and common household items	25 Years	10 Years	10 Years	—	—
• will not permanently scuff from shoe soles including sneakers	25 Years	10 Years	10 Years	—	—
• will not fade or discolor from heat or sunlight	25 Years	10 Years	10 Years	—	—
• will be easy to clean and repel dirt and grime	15 Years	10 Years	10 Years	—	—
• will not curl, open at seams, buckle, release in joints over underlayment panels	10 Years	10 Years	—	5 Years	—

Labor coverage
ArmorCore & ArmorCore Pro - 1-3 years at 100% if labor paid for when original floor was installed; no labor after 3 years.
ArmorCore UR, ArmorCore Pro UR and ArmorCore LC - 1-3 years at 100% if labor paid for when original floor was installed; 50% labor for 4-5 years; no labor after 5 years.

LIGHT COMMERCIAL LIMITED WARRANTY

Products	ArmorCore LC
Coverage	**W A R R A N T Y P E R I O D**
• will be free of manufacturing defects	5 Years
• will not discolor from mold, mildew or alkali	5 Years

Labor coverage - if labor paid for when original floor was installed: Year 1 – 100%, Years 2-3 – 50%, Year 4+ – No labor.

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