



# DURACOLOR® SANDED GROUT

- Polymer-modified for hard, durable, professional results
- Stain resistant and color consistent
- For 1/8" (3 mm) to 1/2" (13 mm) grout joints
- Easy mixing — just add water; no additives required
- Exceeds ANSI A118.6



## 1. Product Name

Merkrete Duracolor

## 2. Manufacturer

### ParexUSA, Inc.

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## 3. Product Description

Duracolor Sanded Grout is a premium-grade, pre-blended, polymer-modified Portland cement tile grout requiring only the addition of water for mixing. It grouts joints from 1/8" to 1/2" (3 mm to 13 mm) providing color-consistent, hard and durable grout joints.

## Uses

- For interior and exterior applications in residential and commercial applications in dry or wet conditions.
- For floors, walls, countertops and submerged installations.
- Suitable tile types include dimensional stone, slate, granite, stone agglomerates and most types of ceramic, ceramic mosaic, quarry, brick paver, porcelain, glass and clay tiles.
- For joint widths from 1/8" to 1/2" (3 to 13 mm).
- For application in submerged installations (swimming pools, spas, water features and fountains), once fully cured (after 21 days).

## Packaging

10-lb. (4.5 kg) box; 4 boxes per carton  
25-lb. (11.3 kg) bag; 96 bags per pallet

## Colors

Available in 31 standard colors. Refer to Merkrete grout kit or color card for actual colors.



### Shelf Life

Maximum 24 months from date of manufacture in unopened package.

### Limitations

- Portland cement grout products should not be installed when ambient or surface temperature is below 50°F (10°C) or above 100°F (38°C).
- Some ceramic, glass, metal, marble or stone tiles can be scratched or damaged by sand or some aggregate filler. Always test on a mock-up or small area prior to use.

*\*Duracolor Non-Sanded Grout may be the appropriate choice for joints up to 1/8" or for tile not suited for sanded grout.*

- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining.
- Color variation can occur due to tile type, tile porosity, job site conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for cleanup.
- Not for use in industrial applications or areas subjected to harsh or continuous chemical exposure, high heat or high-pressure cleaning. For heavy, industrial tile installations, use Merkrete Pro Epoxy Grout.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Merkrete MK 100% Silicone Caulk.

## 4. Technical Data

### Applicable Standards

American National Standards Institute (ANSI) ANSI A108.10 & A118.6 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test Method for Flexural Strength
- ISO 13007-3

Property	Test Method	Requirement	Typical Results
Pot Life	---	---	1-2 Hours
Shrinkage	A118.6 Section 4.3	< 0.20%	< 0.2%
Water Absorption	A118.6 Section 4.4	< 10%	< 10%
Compressive Strength	A118.6 Section 4.5	> 3000 psi	> 3000 psi
Tensile Strength	A118.6 Section 4.6	> 300 psi	> 300 psi
Flexural Strength	A118.6 Section 4.7	> 500 psi	> 800 psi

### Approvals

Duracolor Sanded Grout exceeds ANSI A118.6 standard.

### Environmental Consideration

Merkrete is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute toward LEED® v3 certification:

- Up to 2 points toward MR Credit 5, Regional Materials
- Up to 1 point toward IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

## 5. Installation

### Surface Preparation

Tile must be firmly attached to a sound substrate and setting material must be cured a minimum of 24 – 48 hours before grouting. (Grout can be applied in as little as 3 hours after completion of tile installation where a Merkrete rapid-setting mortar was used to complete the installation, such as Merkrete 720 RS). Remove all spacers. Grout joints should be uniform in depth and width and free of all loose debris, contaminants and excess mortar. Pre-seal tile or stone subject to staining with the manufacturer's recommended sealer.

### Mixing

To minimize color variation when using multiple containers of the same grout, dry blend the powders prior to the addition of water. Add approximately 5 pints (2.37 l.) of cool potable water for every 25 lbs. (11.34 kg.) of powder in a clean mixing container. Add the grout to the water slowly; blend by hand or power mixer at low speed (less than 200 RPM). The ideal grout looks stiff, but has a creamy consistency. Allow the grout to slake for 10 minutes then remix. Periodic mixing during use keeps the grout workable, but do not add additional water or additives. When the grout becomes unyielding (dry) and difficult to work, discard and make a new batch. For best results on multiple mixes, have the same person mix the grout to ensure repetition of the mixing technique.

### Application

Installation shall conform to ANSI A108.10. Holding a rubber grout float at a 45° angle, force grout diagonally into joints ensuring joints are completely filled. Remove excess grout using edge of float held at a 90° angle. Cleanup can begin as soon as the grout becomes firm enough to be only slightly indented when pushed (about 30 minutes depending on porosity of the tile and ambient temperature). Use as little water as possible for grout cleanup. Excess water can create variation in color and may cause shrinkage, cracks or pinholes. Smooth and level joints and, in a circular motion, remove excess grout from tile with a damp small pore grout sponge. It is best to change cleaning water and rinse sponge frequently. Using clean water and sponge will enhance color uniformity. Remove haze from tile surface with a soft, dry cloth.



NOTE: Efflorescence, a crystalline deposit that sometimes appears as a whitish powder or crust in or on cement grout, can occur with any Portland cement-based product. If it occurs, remove with a sulfamic acid cleaner or ANSI approved cleaner. Color variations can occur in Portland cement products, including grout, differing tile types, tile porosity, jobsite conditions, application, and cleaning techniques. Color variations can be minimized by following directions and using as little water as possible for cleanup.

**Curing**

Protect fresh grout from damage for a minimum of 72 hours. Like other Portland cement products, Merkrete Sanded Grout will reach full curing in 28 days.

**6. Availability and Cost**

Duracolor Sanded Grout is available at most leading tile distributors and installation shops. Contact Merkrete or visit our website for the name of the nearest dealer at [www.merkrete.com](http://www.merkrete.com).

**Cost**

Contact your local Merkrete distributor or dealer in your area.

**7. Warranty**

5-year, 10-year and Limited Lifetime warranties are available. Contact Merkrete Technical Services or visit our website for specific warranty information. Merkrete warrants that this product meets applicable ANSI standards in force at the time of manufacture.

**8. Maintenance**

None required, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

**9. Technical Services**

Merkrete technical field representatives are available throughout the country. Call Technical Services at 800-226-2424 for the nearest representative.

**10. Filing Systems**

Merkrete architectural product information is available either in catalog form or at [www.merkrete.com](http://www.merkrete.com).

**Coverage**

TILE SIZE	JOINT WIDTH			
	1/8"	1/4"	3/8"	1/2"
1" x 1" x 1/4"	58	34	26	22
2" x 2" x 1/4"	106	58	42	34
4" x 4" x 3/8"	136	71	49	39
6" x 6" x 3/8"	201	103	71	55
8" x 8" x 3/8"	265	136	93	71
12" x 12" x 3/8"	395	201	136	103
16" x 16" x 3/8"	525	265	179	136
18" x 18" x 3/8"	589	298	201	152
20" x 20" x 3/8"	654	330	222	168
24" x 24" x 3/8"	784	395	265	201
6" x 24" x 3/8"	318	162	111	85
12" x 24" x 3/8"	525	266	179	136
9" x 36" x 3/8"	473	240	162	123
12" x 48" x 3/8"	629	318	214	162

The Joint Width number represents the number of pounds per square feet.

For more information visit [www.merkrete.com/grout\\_calculator.shtml](http://www.merkrete.com/grout_calculator.shtml).



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