



DURACOLOR® NON-SANDED GROUT

- Polymer-fortified for hard, durable, professional results
- Stain resistant and color consistent
- For 1/16" (1.5 mm) to 1/8" (3 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 Non-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 1/16" to 1/8" (1.5 mm to 3 mm) providing color-consistent, hard and durable grout joints.

Uses

- For interior and exterior installation 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 1/16" to 1/8" (1.5 mm to 3 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

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.
- 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 and A118.6
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 Approvals
Duracolor Non-Sanded Grouts exceeds ANSI A118.6 standards.

Property	Test Method	Requirement	Typical Results
Pot Life	---	---	1-2 Hours
Shrinkage	A118.6 Section 4.3	< 0.30%	< 0.3%
Water Absorption	A118.6 Section 4.4	< 18%	< 18%
Compressive Strength	A118.6 Section 4.5	> 3000 psi	> 3000 psi
Tensile Strength	A118.6 Section 4.6	> 250 psi	> 300 psi
Flexural Strength	A118.6 Section 4.7	> 500 psi	> 800 psi

Approvals

Duracolor Non-Sanded Grout exceeds ANSI A118.6 standard

Environmental Consideration

Merkrete is committed to environmental responsibility in both products produced and 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 tile 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 2½ pints (1.14 l) of cool potable water for every 10 lbs. (4.53 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 relax for 15 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 Non-Sanded Grout will reach full curing in 28 days.

6. Availability and Cost

Duracolor Non-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.

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 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.

Coverage:

TILE SIZE	JOINT WIDTH		
	1/8"	1/4"	3/8"
1" x 1" x 1/4"	42	29	23
2" x 2" x 1/4"	81	55	42
4" x 4" x 3/8"	105	71	54
6" x 6" x 3/8"	156	105	79
8" x 8" x 3/8"	207	139	105
12" x 12" x 3/8"	310	207	156
18" x 18" x 3/8"	464	310	233
20" x 20" x 3/8"	515	344	259
24" x 24" x 3/8"	618	412	310
6" x 24" x 3/8"	249	167	126
12" x 24" x 3/8"	413	276	208
9" x 36" x 3/8"	372	249	187
12" x 48" x 3/8"	495	331	249

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

For more information visit www.merkrete.com/grout_calculator.shtml.



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