



DURACOLOR

Sanded Latex Modified Portland Cement
Grout with Antimicrobial Protection



2. Manufacturer

Parex USA, Inc.
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3. Product Description

Merkrete DURACOLOR Sanded Grout is a professional grade polymer modified portland cement sanded grout specifically formulated for grouting all types of ceramic and dimensional stone tiles when grout joint widths are 1/8" to 1/2" thick, suitable for both walls and floors in residential and commercial projects.

Features:

- Easy Mixing - Only the addition of water is required.
- Easy Application - Creamy Consistency.
- Polymer Fortified - Less Shrinkage and Hard in the Joints.

Uses:

- Fill joint widths 1/8" to 1/2" (3.2mm to 13mm).
- Use on both vertical (wall) and horizontal (floor) applications.
- Use for Interiors or exteriors.

4. Technical Data

Exceeds ANSI A118.6 for portland cement grout . Follow the TCNA Handbook and ANSI A108.10-1999 installation of grout in tile work.

Properties:

ANSI 118.6	ANSI Requirements	Sanded Color Grout Results
Flexural Strength	400 psi	> 1100 psi
Tensile Strength 28 day	350 psi	> 500 psi
Compressive Strength 28 day	3500 psi	> 5000 psi

Packaging: 25 lb. bag (11.34 kg.) 96 bags per pallet | Colors: 30 standard colors

Shelf Life: Reference Parex USA Expiration Date of Products Technical Bulletin.

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. Remove all spacers. Grout joints should be uniform in depth and width, free of all loose debris, contaminants and excess mortar. Pre-seal tile or stone that can be subject to staining with tile manufactures' recommended sealer.



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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 insure the repetition of the mixing technique.

Application: Installation shall conform to ANSI A108.10-1999. 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 only be slightly indented when pushed. Use as little water as possible for grout cleanup. Excess water will cause 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 in or on cement grout as a whitish powder or crust, can occur with any portland cement based product. If it occurs, remove with Merkrete ProClean SA (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 Color Grout will reach full curing in 28 days.

Limitations: Portland cement grout should not be installed when ambient temperature is below 50° F (10° C). Exterior applications should not be performed if rain is expected within 24 hours. Do not use Merkrete Sanded Color Grout on glazed ceramic tile, marble, or stone that can be scratched, stained, or damaged when grouted with pigmented sanded grouts. Follow tile manufacturer's recommendations. Test a small area prior to use. Tile with high absorption, surface porosity, rough, textured surfaces, and/or certain types of porcelain may require sealing prior to grouting to prevent staining.

6. Availability

Merkrete Color Grout is available at leading tile houses and construction distributors. Contact Merkrete or visit our web site for the name of the nearest dealer at www.merkrete.com.

7. Warranty

5 year, 10 year and Limited Lifetime warranties are available. Contact Merkrete Technical Services or visit our web site for specific warranty information. Merkrete Systems 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 Systems maintains technical field representatives available throughout the country. Call Technical Services at 800-226-2424 for the nearest representative.

10. Filing Systems

Merkrete architectural product information available either in catalog form, or electronically on our website at www.merkrete.com.

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**How many square feet can I grout?
Coverage:**

TILE SIZE	JOINT WIDTH			
	1/8"	1/4"	3/8"	1/2"
2"x 2"x 1/4"	93	48	33	26
4"x 4"x 3/8"	122	62	42	32
4"x 8"x 3/8"	162	82	55	42
6"x 6"x 3/8"	182	92	62	47
6"x 8"x 3/4"	208	105	70	53
8"x 8"x 3/8"	242	122	82	62
10"x 10"x 3/8"	302	152	102	77
12"x 12"x 3/8"	362	182	122	92
15"x 15"x 3/8"	452	227	152	114
16"x 16"x 3/8"	482	242	162	122
18"x 18"x 3/8"	542	272	182	137
20" x 20" x 3/8"	602	302	202	152

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

For more information visit our website at www.merkrete.com/grout_calculator.shtml



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