



# PROGROUT PLUS

## HIGH-PERFORMANCE, DUSTLESS GROUT

Merkrete's ProGrout Plus high-performance grout features innovative, patented DUSTLESS Technology (DLT), producing significantly less dust than ordinary thinsets to promote cleaner working conditions and reduce mess. It is creamier and easier to spread.

- Polymer fortified for hard, durable, professional results
- Stain resistant, color consistent and efflorescence free
- For 1/16" (1.5 mm) to 1/2" (13 mm) grout joints
- Easy mixing – just add water, no additives required
- Exceeds ANSI A118.7



### 1. Product Name

**Merkrete ProGrout Plus**

### 2. Manufacturer

**Parex USA, Inc.**

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### 3. Product Description

ProGrout Plus is a high-performance, fast-setting, dustless, color-consistent and efflorescence-free grout that provides hard and durable grout joints. ProGrout Plus is approved for grout joints ranging from 1/16" to 1/2" (1.5 to 13 mm) in width. ProGrout Plus exceeds ANSI A118.7 for high-performance grouts.

#### Features

ProGrout Plus is suitable for both walls and floors in residential and commercial projects. Only the addition of water is required.

#### Uses

- For interior and exterior applications in residential and commercial applications in dry or wet conditions
- For floors, walls, countertops and submerged conditions
- 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 1/2" (1.5 to 13 mm)
- For application in submerged conditions (swimming pools, spas, water features and fountains)
- When mixed with water, can be installed over a substrate measuring less than or equal to 98% RH and allowed to dry 18 hours prior to encapsulation.

#### Packaging

25-lb. (11.3-kg) bag; 96 bags per pallet

#### Colors

Available in 18 standard colors. Refer to Merkrete grout kit or color card for actual colors.

#### Shelf Life

Maximum 12 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 before routing to prevent possible staining.
- Color variation may occur due to tile type, tile porosity, jobsite 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 either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy, industrial tile installations, use Merkrete ProEpoxy 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 & A118.7 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. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength
- ISO 13007-3

##### Approvals

ProGrout Plus exceeds ANSI A118.7 standards

Property	Test Method	Requirement	Typical Results
Pot Life	---	---	45 - 60 Minutes
Shrinkage	A118.7 Section 3.3	< 0.20%	< 0.2%
Water Absorption	A118.7 Section 3.4	< 5%	< 5%
Compressive Strength	A118.7 Section 3.5	> 3000 psi	> 4500 psi
Tensile Strength	A118.7 Section 3.6	> 500 psi	> 500 psi
Flexural Strength	A118.7 Section 3.7	> 1000 psi	> 1000 psi
<b>LEED v3NC VOC</b>			
VOC		< 65 g/l	0

##### Environmental Consideration

Merkrete is committed to environmental responsibility in 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 v4.1, Low-Emitting Materials – Adhesives & Sealants

#### 5. Installation

##### Surface Preparation

Tile must be firmly attached to a sound substrate. 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 and free of all loose debris, contaminants and excess mortar. Pre-seal tile or stone that can be subject to staining with tile manufacturer’s recommended sealer.

##### Mixing

To minimize color variation when using multiple containers of the same grout, dry blend the powders before the addition of water. Add approximately 2.2 quarts (2.08 liters) 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. 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 mix a new batch. For best results on multiple mixes, have the same person mix the grout to ensure the 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 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 a sponge will enhance color uniformity. Remove haze from tile surface with a soft, dry cloth. Lightly mist newly installed cement grouts during the first 24 to 36 hours of the installation, to help ensure grout cures at maximum strength.

##### Curing

Protect fresh grout from damage for a minimum of 3 hours.



### 6. Availability and Cost

#### Availability

ProGrout Plus 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

Five-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. Contact Merkrete for specific guidance relating to a specific installation.

### 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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