

Polyblend® White Dry Grout

1 Product Name

Polyblend® White Dry Grout

2 Manufacturer

Custom Building Products
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3 Product Description

Polymer-modified, non-sanded Portland cement dry grout used for joints up to 1/8" (3 mm) wide. Excellent for highly-glazed ceramic tile or highly-polished marble or natural stone that can be scratched by sanded grouts. It's non-shrinking and durable. Polymer-modified for strength, just add water. Meets ANSI A118.6 specifications.

Key Features

- Polymer-modified for strength - just mix with water
- Won't scratch highly glazed or polished tile or stone

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile
- Impervious porcelain and glass tile
- Cement-based precast terrazzo
- Natural stone tile

Composition of Product

Portland cement, fine fillers and polymer modifiers.

Benefits of Product in the Installation

- Economical Grout
- For joints up to 1/8"
- Non-shrinking



Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Some ceramic, glass, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use. [Polyblend® Non-Sanded Grout](#) may be appropriate 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. Use [Tilelab® SurfaceGard® Sealer](#) or [Aqua Mix® Grout Release](#) to prevent staining when required.
- Color variation can 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 [CEG-IG 100% Solids 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 [Commercial 100% Silicone Caulk](#) or [Polyblend® Ceramic Tile Caulk](#).

Packaging

- 1 lb (.45 kg) box
- 5 lb (2.27 kg) box
- 10 lb (4.54 kg) box
- 25 lb (11.34 kg) bag

4 Technical Data

Applicable Standards

Meets or exceeds ANSI A118.6 specifications.

Approvals

Polyblend® Sanded Grout meets or exceeds ANSI A118.6 standards.



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Technical Chart

Property	Test Method	Requirement	Typical Results
Pot Life			1-2 hours
Shrinkage	A118.6 Section 4.3	< 0.30%	<0.10%
Water Absorption	A118.6 Section 4.4	< 18%	<16%
28 Day Compressive Strength	A118.6 Section 4.5	> 3000 psi	3,300 psi
Tensile Strength	A118.6 Section 4.6	> 250 psi	525 psi
Flexural Strength	A118.6 Section 4.7	>500 psi	>790 psi

Environmental Consideration

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

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

5 Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

Tile or stone must be firmly bonded to a sound substrate, and setting material must be cured a minimum 24-48 hours before cement grout is applied, unless rapid-setting mortars are used. See the corresponding data sheet for the bonding mortars used in your application. Remove spacers and ensure that the grout joints are uniform in depth and width and free of loose debris, contaminants and excess mortar. Use [TileLab® SurfaceGard® Sealer](#) or [Aqua Mix® Grout Release](#) to seal tile or stone subject to staining or when using a grout that contrasts with the color of the tile.

Mixing Ratios

Start with 4 1/2 quarts (4.26 L) of cool, clean water.

Mixing Procedures

When installing more than 1 container of grout at a time, blend dry powders prior to mixing with water. Mix with a trowel or low speed mixer (less than 300 rpm) to achieve a smooth, lump-free consistency. Let the mixture stand (slake) for 10 minutes, and then remix and use. Periodically remix to keep the mixture workable, but do not add water, which can weaken the grout, cause color variation and possible cause shrinkage, cracks and pinholes. Discard grout when it becomes too stiff to work.

Application of Product

Installation must conform to ANSI A108.10. Lightly dampen absorptive, highly porous tile with clean, cool water, but leave no standing water in the joints. Holding a rubber grout float at a 45° angle, completely fill the joints. Holding the edge of the float at a 90° angle, remove excess grout. At 70° F, do not spread more grout than can be cleaned within 30 minutes of the grout firming and use as little water as possible for grout clean-up (higher temperatures may shorten this time frame). Using a damp, small pore sponge in a circular motion, smooth and level joints and remove excess grout. Change the water and rinse the sponge frequently. Haze can be removed after 3 hours with cheesecloth or wrung-out sponge. If haze persists, the installation can be washed after three days with [Aqua Mix NanoScrub](#) or after ten days with [Aqua Mix® Sulfamic Acid Crystals](#), [TileLab® Sulfamic Acid Cleaner](#) or [Aqua Mix® Cement Grout Haze Remover](#). Perform a test in an inconspicuous area prior to complete application. Movement joints are required for perimeters and other changes of plane in all installations. See TCNA Detail EJ171 for recommendations.

Curing of Product

Periodically mist the installation with clean, cool water for 3 days.

Exterior applications must be protected from rain, snow and other wet conditions for at least 7 days with temperature above 50° F (10° C). If inclement weather is expected, protect the work area with tenting at least 1 foot (30 cm) above the finished surface to allow air flow. Enclose and protect exterior installations and maintain >50° F (10° C) temperatures for at least 72 hours for proper cure.

Sealing of Grout

Use a pH-neutral sealer such as [TileLab Surface Guard](#) or [AquaMix Sealer's Choice Gold](#).

Cleaning of equipment

Clean tools and hands with water before the material dries.

Health Precautions

This product contains Portland cement. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Use with adequate ventilation; do not breathe dust and wear a NIOSH approved respirator. If ingested, do not induce vomiting; call a physician immediately.

Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

6 Availability & Cost

Location	Item Code	Size	Color	Package
USA	PBWDG25	25 lb. (11.34 kg)	White	Bag
Canada	CPBWDG1-6	1 lb. (.45 kg)	White	Box
Canada	CPBWDG5-4	5 lb. (2.26 kg)	White	Box
Canada	CPBWDG10	10 lb. (4.54 kg)	White	Box
Canada	CPBWDG25	25 lb. (11.34 kg)	White	Bag



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Final installed shade may vary with the tile type, color and porosity as well as jobsite conditions and finishing techniques. For best results, perform a test on a small, inconspicuous area or create a sample board prior to installation.

7 Product Warranty

Obtain the applicable **LIMITED PRODUCT WARRANTY** at www.custombuildingproducts.com/product-warranty or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of Custom Building Products, Inc. © 2017 Quikrete International, Inc.

8 Product Maintenance

Clean with a pH-neutral cleaner such as [Aqua Mix AquaKleen](#), [Aqua Mix Concentrated Tile & Stone Cleaner](#) or [TileLab Grout & Tile Cleaner](#).

9 Technical Services Information

For technical assistance, contact Custom® technical services at 800-272-8786 or visit custombuildingproducts.com.

10 Filing System

Additional product information is available from the manufacturer upon request.

Related Products

Commercial 100% Silicone Sealant

Polyblend® Ceramic Tile Caulk

TileLab® SurfaceGard® Sealer

TileLab® Grout & Tile Sealer



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Coverage

For 5 lb. box of PolyBlend Dry White Grout in ft² (m²)

Tile Size Width x Length x Thickness	Joint Width	
	1/16" (1.6 mm)	1/8" (3 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	20 ft ² (1.9 m ²)	11 ft ² (1 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	38 ft ² (3.5 m ²)	20 ft ² (1.9 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	56 ft ² (5.2 m ²)	29 ft ² (2.7 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	78 ft ² (7.2 m ²)	40 ft ² (3.7 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	110 ft ² (10.2 m ²)	56 ft ² (5.2 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	97 ft ² (9 m ²)	49 ft ² (4.6 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	145 ft ² (13.5 m ²)	73 ft ² (6.8 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	192 ft ² (17.8 m ²)	97 ft ² (9 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	240 ft ² (22.3 m ²)	121 ft ² (11.2 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	287 ft ² (26.7 m ²)	144 ft ² (13.4 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	124 ft ² (11.5 m ²)	63 ft ² (5.9 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	173 ft ² (16.1 m ²)	87 ft ² (8.1 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	230 ft ² (21.4 m ²)	116 ft ² (10.8 m ²)

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more tile and joint sizes, use the [Material Calculator](#) at CustomBuildingProducts.com or contact CUSTOM Technical Services at [800-282-8786](tel:800-282-8786).



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