

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
- 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

Always wear proper protective equipment when handling the product, including IMPERVIOUS GLOVES, such as nitrile, safety glasses, and a NIOSH N95 respirator (mask).

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.

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.

Storage

Protect from freezing. Store in a cool, dry area.

Health Precautions

DANGER: CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. PROLONGED OR REPEATED INHALATION OF DUST MAY CAUSE LUNG DAMAGE OR CANCER. DO NOT BREATHE DUST OR SWALLOW. You cannot rely on pain to alert you to cement burns. Portland cement can cause dermatitis or sensitization. A NIOSH N95 respirator (mask) is recommended, especially in poorly ventilated areas, when use is frequent, or when permissible exposure limits may be exceeded. Immediately wash contaminated body and clothing thoroughly. If in eyes: rinse cautiously with water for several minutes; remove contact lenses if easy to do; continue rinsing. If inhaled: remove person to fresh air and keep comfortable for breathing. If swallowed: rinse mouth; do NOT induce vomiting. If you experience a burn, rash or skin irritation: immediately see a doctor. Immediately seek medical attention if any symptoms are significant or persist. In Emergency: 1-800-535-5053. **Contains silica sand, portland cement, titanium dioxide and may contain carbon black.** Before handling read Safety Data Sheet at www.custombuildingproducts.com. **KEEP OUT OF REACH OF CHILDREN.**

WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer, and hexavalent chromium compounds, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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

NOTICE: Obtain the applicable **LIMITED 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 by or under the authority of Custom Building Products, Inc. © 2022 Quikrete International, Inc.

8 Product Maintenance

Clean with a pH-neutral cleaner such as [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

Ceramic Tile Caulk

TileLab® SurfaceGard® Sealer

TileLab® Grout & Tile Sealer



CUSTOM®

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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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