Private: Polyblend® Sanded Grout



1. Product Name

Private: Polyblend® Sanded Grout

2. Product Description

A polymer-modified, cement-based sanded grout that produces hard, dense joints that resist shrinking, cracking and wear. Formulated for durability, Polyblend® Sanded Grout accommodates 1/8″-1/2″ (3.1-12.7 mm) joints for interior or exterior installations, including floors, countertops, walls, ceilings, showers, fountains and pools.

Key Features

- Easy to use
- Just mix with water
- Polymer fortified for hard, durable, professional results
- Hard, durable grout joints
- Resists shrinking, cracking, powdering and wear

Uses

- Use to fill joint widths 1/8" to 1/2" (3.1 to 12.7 mm)
- May be used for both floor and wall installations
- Interior and exterior applications
- Residential and commercial applications
- Countertops, tub surrounds, showers and high traffic areas
- Submerged conditions (swimming pools, spas, water features and fountains)

Composition of Product

Polyblend® Sanded Grout is a dry, Portland cement based grout with silica sand, inorganic aggregates and chemicals.

Benefits of Product in the Installation

- Hard, durable grout joints
- Resists shrinking, cracking, powdering and wear

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, metal, 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 Aqua Mix® Grout Release or TileLab® SurfaceGard® Sealer 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.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- 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

Available in 3 sizes:

- 1 lb (.45 kg) tub
- 7 lb (3.17 kg) box
- 25 lb (11.34 kg) bag

25 lb bag and 7 lb box are available in 15 standard colors in the US and 18 in Canadaí¾ color matching is available. 1 lb grout is available in 4 colors.

3. Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.10 & A118.6 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

Technical Chart

Property	Test Method	Requirement	Typical Results
Pot Life			1 - 2 Hours
Shrinkage	A118.6 Section 4.3	< 0.20%	<0.20%
Water Absorption	A118.6 Section 4.4	< 10%	<10%
28 Day Compressive Strength	A118.6 Section 4.5	> 3000 psi	> 3000 psi
Tensile Strength	A118.6 Section 4.6	> 300 psi	> 300 psi
Flexural Strength	A118.6 Section 4.7	> 500 psi	> 500 psi

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of Polyblend® Sanded Grout can contribute to LEED® certification.

Private: Polyblend® Sanded Grout

Mixing Ratios

- Mix 2 qt (1.89 L) clean water to 25 lb (11.34 kg) grout.
- Mix 1 pt (.473 L) clean water to 7 lb (3.17 kg) grout.
- For 1 lb grout, see package for fill line indicator.

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 grout 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

Curing time is affected by ambient and surface temperatures and humidity. For exterior applications, it is recommended that the installation is misted periodically 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 installations and maintain >50° F (10° C) temperatures for at least 72 hours for proper cure.

Sealing of Grout

If the use of a sealer is desired for extra protection, apply a pH-neutral, water-based, penetrating sealer such as AquaMix Sealer's Choice Gold or TileLab Surface Guard. Cleaning of equipment Clean tools and hands with water before the material dries.

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.

4. Size & Availability

Location	Grout Color	Item Code	Size	Package	Item Code	Size	Package
USA	#9 Natural Gray	PBG097-4€,€,	7 lb (3.17 kg)	Box	PBG0925	25 lb (11.34 kg)	Bag
USA	#11 Snow White	PBG117-4	7 lb (3.17 kg)	Box	PBG1125	25 lb (11.34 kg)	Bag
USA	#19 Pewter	PBG197-4	7 lb (3.17 kg)	Box	PBG1925	25 lb (11.34 kg)	Bag
USA	#60 Charcoal	PBG607-4	7 lb (3.17 kg)	Box	PBG6025	25 lb (11.34 kg)	Bag
USA	#115 Platinum	PBG1157-4	7 lb (3.17 kg)	Box	PBG11525	25 lb (11.34 kg)	Bag
USA	#122 Linen	PBG1227-4	7 lb (3.17 kg)	Box	PBG12225	25 lb (11.34 kg)	Bag
USA	#165 Delorean Gray	PBG1657-4€,€,	7 lb (3.17 kg)	Box	PBG16525	25 lb (11.34 kg)	Bag
USA	#380 Haystack	PBG3807-4€,€,	7 lb (3.17 kg)	Box	PBG38025	25 lb (11.34 kg)	Bag
USA	#381 Bright White	PBG3817-4€,€,	7 lb (3.17 kg)	Box	PBG38125	25 lb (11.34 kg)	Bag
USA	#382 Bone	PBG3827-4€,€,	7 lb (3.17 kg)	Box	PBG38225	25 lb (11.34 kg)	Bag
USA	#386 Oyster Gray	PBG3867-4€,€,	7 lb (3.17 kg)	Box	PBG38625	25 lb (11.34 kg)	Bag
USA	#544 Rolling Fog	PBG5447-4	7 lb (3.17 kg)	Box	PBG54425	25 lb (11.34 kg)	Bag
USA	#640 Arctic White	PBG5457-4	7 lb (3.17 kg)	Box	PBG54525	25 lb (11.34 kg)	Bag
USA	#646 Coffee Bean	PBG6467-4	7 lb (3.17 kg)	Box	PBG64625	25 lb (11.34 kg)	Bag
USA	#647 Brown Velvet	PBG6477-4	7 lb (3.17 kg)	Box	PBG64725	25 lb (11.34 kg)	Bag
USA - Special Order	All 15 colors				PBGXXX50€,€,	50 lb (22.68 kg)	Bag

Location	Grout Color	Item Code	Size	Package	Item Code	Size	Package
Canada	#9 Natural Gray	CPBG097-4€,€,	7 lb (3.17 kg)	Box	CPBG0925	25 lb (11.34 kg)	Bag
Canada	#10 Antique White	CPBG107-4	7 lb (3.17 kg)	Box	CPBG1025	25 lb (11.34 kg)	Bag
Canada	#11 Snow White	CPBG117-4	7 lb (3.17 kg)	Box	CPBG1125	25 lb (11.34 kg)	Bag
Canada	#19 Pewter	CPBG197-4	7 lb (3.17 kg)	Box	CPBG1925	25 lb (11.34 kg)	Bag
Canada	#52 Tobacco Brown	CPBG527-4	7 lb (3.17 kg)	Box	CPBG5225	25 lb (11.34 kg)	Bag
Canada	#60 Charcoal	CPBG607-4	7 lb (3.17 kg)	Box	CPBG6025	25 lb (11.34 kg)	Bag
Canada	#105 Earth	CPBG1057-4	7 lb (3.17 kg)	Box	CPBG10525	25 lb (11.34 kg)	Bag
Canada	#115 Platinum	CPBG1157-4	7 lb (3.17 kg)	Box	CPBG11525	25 lb (11.34 kg)	Bag

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Private: Polyblend® Sanded Grout

Canada	#122 Linen	CPBG1227-4	7 lb (3.17 kg)	Box	CPBG12225	25 lb (11.34 kg)	Bag
Canada	#145 Light Smoke	CPBG1457-4€,€,	7 lb (3.17 kg)	Box	CPBG14525	25 lb (11.34 kg)	Bag
Canada	#165 Delorean Gray	CPBG1657-4€,€,	7 lb (3.17 kg)	Box	CPBG16525	25 lb (11.34 kg)	Bag
Canada	#185 New Taupe	CPBG1857-4€,€,	7 lb (3.17 kg)	Box	CPBG18525	25 lb (11.34 kg)	Bag
Canada	#335 Winter Gray	CPBG3357-4€,€,	7 lb (3.17 kg)	Box	CPBG33525	25 lb (11.34 kg)	Bag
Canada	#380 Haystack	CPBG3807-4€,€,	7 lb (3.17 kg)	Box	CPBG38025	25 lb (11.34 kg)	Bag
Canada	#381 Bright White	CPBG3817-4€,€,	7 lb (3.17 kg)	Box	CPBG38125	25 lb (11.34 kg)	Bag
Canada	#382 Bone	CPBG3827-4€,€,	7 lb (3.17 kg)	Box	CPBG38225	25 lb (11.34 kg)	Bag
Canada	#386 Oyster Gray	CPBG3867-4€,€,	7 lb (3.17 kg)	Box	CPBG38625	25 lb (11.34 kg)	Bag
Canada	#540 Truffle	CPBG5407-4	7 lb (3.17 kg)	Box	CPBG54025	25 lb (11.34 kg)	Bag

Location	Grout Color	Item Code	Size	Package
USA	#9 Natural Gray	PBG-091-4	1 lb	Tub
USA	#122 Linen	PBG-1221-4	1 lb	Tub
USA	#380 Haystack	PBG-3801-4	1 lb	Tub
USA	#382 Bone	PBG-3821-4	1 lb	Tub

See our color card for truest color representation when selecting or specifying a grout color. 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.

5. Product Warranty

This product is eligible for Custom® Building Products Lifetime Installations Systems Warranty. Custom® Building Products warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Custom's® sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Custom's® printed instructions. Custom® makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another. For details and complete warranty information, visit custombuildingproducts.com

6. Product Maintenance

To extend the life of Polyblend® Grout, use TileLab® SurfaceGard® Stone, Grout & Tile Sealer. Do not use acidic cleaners on Polyblend® Grouts as long term damage may occur. The use of pH neutral cleaners is recommended.

7. Technical Services Information

For technical assistance, contact Custom® Building Products.

8. Filing System

Additional product information is available from the manufacturer upon request.

Related Products

Ceramic Tile Caulk
Commercial 100% Silicone Sealant
TileLab® SurfaceGard® Sealer
StainBlocker for Grout

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Coverage Chart

For 25 lb. bag of Polyblend in ft² (m²) per bag

Tile Size	**Joint Width**				
Width x Length x Thickness	**1/8" (3 mm)**	**3/16" (4.8 mm)**	**1/4" (6.3 mm)**	**3/8" (9.5 mm)**	**1/2" (13 mm)**
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	54 ft² (5 m²)	40 ft² (3.7 m²)	33 ft² (3.1 m²)	27 ft² (2.5 m²)	24 ft² (2.2 m²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	96 ft² (8.9 m²)	68 ft² (6.3 m²)	54 ft² (5.0 m²)	40 ft² (3.7 m²)	33 ft² (3.1 m²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	138 ft² (12.9 m²)	96 ft² (8.9 m²)	74 ft² (7 m²)	54 ft² (5 m²)	43 ft² (4 m²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	192 ft² (17.8 m²)	131 ft² (12.2 m²)	101 ft² (9.4 m²)	71 ft² (6.6 m²)	56 ft² (5.2 m²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	266 ft² (24.7 m²)	181 ft² (16.8 m²)	139 ft² 12.9 m²)	96 ft² (8.9 m²)	75 ft² (7.0 m²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	234 ft² (21.7 m²)	158 ft² (14.7 m²)	121 ft² (11.2 m²)	83 ft² (7.7 m²)	64 ft² (6 m²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	348 ft² (32.3 m²)	234 ft² (21.7 m²)	177 ft² (16.5 m²)	121 ft² (11.2 m²)	92 ft² (8.6 m²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	462 ft² (42.8 m²)	310 ft² (28.8 m²)	234 ft² (21.7 m²)	158 ft² (14.7 m²)	121 ft² (11.2 m²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	518 ft² (48.1 m²)	348 ft² (32.3 m²)	262 ft² (24.4 m²)	177 ft² (16.5 m²)	135 ft² (12.5 m²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	574 ft² (53.4 m²)	385 ft² (35.8 m²)	291 ft² (27 m²)	196 ft² (18.2 m²)	149 ft² (13.8 m²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	688 ft² (63.9 m²)	461 ft² (42.8 m²)	348 ft² (32.3 m²)	234 ft² (21.7 m²)	177 ft² (16.5 m²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	279 ft² (26 m²)	189 ft² (17.5 m²)	143 ft² (13.3 m²)	98 ft² (9.1 m²)	75 ft² (7 m²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	461 ft² (42.8 m²)	310 ft² (28.8 m²)	234 ft² (21.7 m²)	158 ft² (14.7 m²)	121 ft² (11.2 m²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	299 ft² (27.8 m²)	202 ft² (18.7 m²)	153 ft² (14.2 m²)	104 ft² (9.7 m²)	80 ft² (7.4 m²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	416 ft² (38.6 m²)	279 ft² (26 m²)	211 ft² (19.6 m²)	143 ft² (13.3 m²)	109 ft² (10.2 m²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	552 ft² (51.3 m²)	370 ft² (34.4 m²)	279 ft² (26 m²)	189 ft² (17.5 m²)	143 ft² (13.3 m²)

For 7 lb bag of Polyblend (sq ft/sq m per bag)

Tile Size	**Joint Width**				
Width x Length x Thickness	**1/8" (3 mm)**	**3/16" (4.8 mm)**	**1/4" (6.3 mm)**	**3/8" (9.5 mm)**	**1/2" (13 mm)**
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	15 ft² (1.4 m²)	11 ft² (1 m²)	9 ft² (.9 m²)	8 ft² (.7 m²)	7 ft² (.6 m²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	27 ft² (2.5 m²)	19 ft² (1.8 m²)	15 ft² (1.4 m²)	11 ft² (1 m²)	9 ft² (.9 m²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	39 ft² (3.6 m²)	27 ft² (2.5 m²)	21 ft² (1.9 m²)	15 ft² (1.4 m²)	12 ft² (1.1 m²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	54 ft² (5 m²)	37 ft² (3.4 m²)	28 ft² (2.6 m²)	20 ft² (1.9 m²)	16 ft² (1.5 m²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	74 ft² (6.9 m²)	51 ft² (4.7 m²)	39 ft² (3.6 m²)	27 ft² (2.5 m²)	21 ft² (1.9 m²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	66 ft² (6.1 m²)	44 ft² (4.1 m²)	34 ft² (3.1 m²)	23 ft² (2.2 m²)	18 ft² (1.7 m²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	97 ft² (9 m²)	66 ft² (6.1 m²)	50 ft² (4.6 m²)	34 ft² (3.1 m²)	26 ft² (2.4 m²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	129 ft² (12 m²)	87 ft² (8.1 m²)	66 ft² (6.1 m²)	44 ft² (4.1 m²)	34 ft² (3.1 m²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	145 ft² (13.5 m²)	97 ft² (9 m²)	73 ft² (6.8 m²)	50 ft² (4.6 m²)	38 ft² (3.5 m²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	161 ft² (14.9 m²)	108 ft² (10 m²)	81 ft² (7.6 m²)	55 ft² (5.1 m²)	42 ft² (3.9 m²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	193 ft² (17.9 m²)	129 ft² (12 m²)	97 ft² (9 m²)	66 ft² (6.1 m²)	50 ft² (4.6 m²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	78 ft² (7.3 m²)	53 ft² (4.9 m²)	40 ft² (3.7 m²)	27 ft² (2.5 m²)	21 ft² (2.0 m²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	129 ft² (12 m²)	87 ft² (8.1 m²)	66 ft² (6.1 m²)	44 ft² (4.1 m²)	34 ft² (3.1 m²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	84 ft² (7.8 m²)	56 ft² (5.2 m²)	43 ft² (4 m²)	29 ft² (2.7 m²)	22 ft² (2.1 m²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	116 ft² (10.8 m²)	78 ft² (7.3 m²)	59 ft² (5.5 m²)	40 ft² (3.7 m²)	31 ft² (2.8 m²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	155 ft² (14.4 m²)	104 ft² (9.6 m²)	78 ft² (7.3 m²)	53 ft² (4.9 m²)	40 ft² (3.7 m²)

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.

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