

100% SOLIDS EPOXY GROUT

- **Highly stain resistant**
- **High chemical resistance**
- **Non-slumping**
- **Colorfast**
- **Easy water cleanup**

PRODUCT DESCRIPTION

Custom's 100% Solids Epoxy Grout is a two-component system consisting of a resin and hardener that is combined with any Polyblend® Sanded Grout to fill joint widths from 1/8" to 3/8" (3 - 10 mm). It offers maximum resistance to staining and chemical attack from food, beverages, chemicals and cleaning agents. Delivers a grout that is uniform in color and colorfast. Easy to apply, it also cleans up easily with water.

USES

- For grouting vitreous, semi-vitreous or impervious tile including ceramic, mosaic, quarry, pavers, cement, porcelain, glass, brick, mini-brick, precast terrazzo and natural stone.
- Use on floors, countertops, walls, ceilings, showers, fountains, pools. For best results when used on vertical applications, use with Non-Slump Epoxy Additive.
- Use to fill joint widths from 1/8" to 3/8" (3 - 10 mm).
- High traffic areas such as airports and shopping malls.
- Applications requiring high acid and chemical resistance such as dairies, breweries, bottling plants, bakeries, meat packing plants, pharmaceutical plants and animal hospitals.
- For interior use or exterior installations with surface temperatures between 60° F and 90° F (16° C and 32° C).

LIMITATIONS

- Not recommended for use as a setting material.
- When used on exterior installations, color variations may occur over time, especially with lighter shades. May stain light colored marble or stone. Test a small area and check for staining prior to grouting entire installation.
- All epoxies are temperature sensitive. 100% Solids Epoxy is easiest to apply when temperatures are between 70° F and 85° F (21° C and 29° C). Lower temperatures will cause the epoxy to become stiff, more difficult to work, and will extend initial set. Higher temperatures will cause the epoxy to become more fluid and will accelerate the set. Not recommended for exposure to continuous temperatures above 160° F (71° C).

- Temperature will affect the working time of 100% Solids Epoxy Grout. Hot weather will accelerate curing and shorten working time. Cold weather will slow curing and extend working time. Surface temperatures for installation should be between 60° F and 90° F (16° C and 32° C).
- Not recommended in some manufacturing facilities where heavy solvents are used. Consult Technical Services on questionable installations.

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 and free of all loose debris, contaminants and excess mortar.

MIXING

Premix contents of part "A" before combining with part "B". Combine entire contents of part "A" and "B" in a clean mixing container. Stir with a margin trowel until thoroughly mixed. Gradually add a 25 lb. (11.34 kg) bag of Polyblend Sanded Grout into pre-mixed liquids. Using a low speed mechanical mixer (300 rpm or less), mix all components until a smooth, trowelable consistency is obtained. Avoid over-mixing and air entrapment which could shorten pot life of epoxy and cause pinholes in finished joint.

APPLICATION

Remove all mixed epoxy from container and place in small piles where work is to proceed. This will extend working time. When grouting walls, place epoxy on mortar board placed on the floor. Using a stiff rubber grout float, pack joint full with epoxy being careful not to leave voids during application. Remove excess epoxy by holding grout float at a 90° angle and pulling the float diagonally across the grout joints. Avoid gouging joints while removing as much epoxy from tile surface as possible. After removing excess epoxy from tile face, allow joint to set for approximately 15 minutes or until they begin to firm. Time will vary depending upon substrate and ambient temperature. Do not allow epoxy to set on face of tile. Apply liberal amount of clean, potable water over grouted area. Using a white nylon scrub pad, work in a circular motion to loosen epoxy film and finish joints smoothly. Residue should be picked up with a damp cotton towel or hydro grout sponge and clean water. Change rinse water frequently to aid cleanup and minimize epoxy residue left behind. If a film is noticed after final cleanup, allow joints to cure for 2 hours (depending upon temperature) and rinse grouted tile with clean water and hydro grout sponge.



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COLOR

Epoxy resin and hardener when combined with colored sanded tile grout will darken joint color. When color considerations are critical, a mock-up should be constructed prior to final selection and application.

NOTE: Due to the complexity of white colored epoxies, a specific resin-hardener system is available for #10 Antique White, #11 Snow White, #333 Alabaster, #381 Bright White and #382 Bone.

CURING

Generally, light foot traffic can be allowed in 18 hours at 75° F (24° C), normal foot traffic in 24 hours and heavy foot traffic in 72 hours. Epoxy should be kept dry and protected from exposure to food or other chemicals that could stain or attack the grout for 7 days after installation.

CLEANUP

Clean tools and hands with water before material dries.

STORAGE

Keep from freezing.

SAFETY

WARNING: All epoxies have a corrosive potential until mixed. When handling epoxy mortar or grout, protective eyewear and rubber gloves are strongly recommended.

In confined areas, an approved OSHA respirator is also strongly recommended. If epoxy comes in contact with skin or eyes, flush liberally with water. After using, wash hands thoroughly with soap and clean water before eating, drinking or smoking. Keep out of reach of children. Do not take internally.

COVERAGE

Coverage will vary depending on tile size and joint width.

SQUARE FOOT COVERAGE PER GROUTING UNIT (SQUARE METER PER GROUTING UNIT)		JOINT WIDTH					
TILE SIZE		1/8"	(3 MM)	1/4"	(6 MM)	3/8"	(10 MM)
1" x 1" x 3/16"	(25 x 25 x 4.5 mm)	80	(7.43)	50	(4.64)	40	(3.72)
2" x 2" x 1/4"	(50 x 50 x 6 mm)	110	(10.22)	60	(5.57)	45	(4.18)
4" x 4" x 1/4"	(100 x 100 x 6 mm)	204	(18.95)	104	(9.66)	72	(6.68)
4 1/4" x 4 1/4" x 1/4"	(106 x 106 x 6 mm)	215	(19.97)	110	(10.22)	80	(7.43)
6" x 6" x 1/4"	(150 x 150 x 6 mm)	295	(27.41)	155	(14.39)	106	(9.85)
6" x 6" x 1/2"	(150 x 150 x 12 mm)	150	(13.94)	77	(7.15)	54	(5.02)
4" x 8" x 1/2"	(100 x 200 x 12 mm)	130	(12.08)	70	(6.50)	48	(4.46)
8" x 8" x 1/2"	(200 x 200 x 12 mm)	195	(18.12)	100	(9.29)	70	(6.50)
12" x 12" x 1/2"	(300 x 300 x 12 mm)	290	(26.94)	150	(13.94)	100	(9.29)

ORDERING INFORMATION

ITEM CODE	SIZE	COLOR	PACKAGE
USA			
SEGW	Grouting Unit: 80 fl. oz. (2.4 L) A 40 fl. oz. (1.2 L) B	White	Pail Bottle Bottle
SEGC	Grouting Unit: 80 fl. oz. (2.4 L) A 40 fl. oz. (1.2 L) B	Color	Pail Bottle Bottle
Canada			
CSEGW	Small Unit: 24 fl. oz. (710 ml) A 12 fl. oz. (355 ml) B	White	Pail Bottle Bottle
CSEGC	Small Unit: 24 fl. oz. (710 ml) A 12 fl. oz. (355 ml) B	Color	Pail Bottle Bottle

TECHNICAL DATA

Meets ANSI A118.3 Specifications.

100% SOLIDS GROUT	
Compressive Strength	>7000 psi (492.1 kg/cm ²)
Pot Life @ 75°F (24°C)	60 minutes
Initial Set @ 75°F (24°C)	4 hours
Final Set @ 75°F (24°C)	18 - 24 hours
Final Cure @ 75°F (24°C)	7 days
Water Cleanable @ 75°F (24°C)	90 minutes
SAG Vertical Joint	None



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