



P R O D U C T I N F O R M A T I O N

EzPOXY™ MORTAR & GROUT

100% Solids Epoxy

PRODUCT DESCRIPTION

EzPoxy™ Mortar & Grout 100% Solids Epoxy is for interior or exterior, vertical or horizontal installations. Typical applications include commercial and residential kitchens, lobbies, bathrooms, fast food restaurants, breweries, dairies, wineries, factories, shopping malls, meat processors, and distilleries. Meets ANSI A118.3

As A MORTAR: EzPoxy Mortar & Grout is a suitable bonding mortar for interior applications only. Use to set all ceramic, quarry, porcelain, granite, slate, pre-cast Terrazzo, dimension stone tiles, and moisture sensitive stone. Use over properly prepared concrete; structurally sound, exterior grade plywood (interior/dry use only); cementitious backer board; Hydroment Gold, Ultra-Set® Advanced, Black-Top 90210™, Durabond® D-222 DuraGuard and existing, well bonded vinyl/VCT or ceramic tile. As a bonding mortar, EzPoxy Mortar & Grout is for interior use only.

As A GROUT: Use to grout all ceramic, quarry, porcelain, granite, slate, and pre-cast Terrazzo, dimension stone tiles, in joints from 1/16" to 1/2" wide.

DIRECTIONS FOR USE

Read and understand data sheet completely before beginning installation. Follow applicable ANSI, TCA and NTCA installation standards.

MIXING

EzPoxy Mortar and Grout "Unit" is made up of a 3.5 gallon pail that contains powder aggregate, and two smaller containers which hold pre measured amounts of Epoxy Resin (Part A) and Epoxy Hardener (Part B). Cut open the pouch of powder aggregate and pour into 3.5 gallon pail. Pour the entire contents of Part A and Part B into the 3.5-gallon pail and mix until there are no longer any streaks or lumps using a heavy-duty drill mixer or a commercially available gallon pail mixer. Use a margin trowel or spatula to scrape the sides and bottom of the pail during the mixing process. Most problems with epoxy can be avoided by thorough mixing. Once no color streaks or lumps are visible, continue to mix for an additional 5 minutes to ensure the epoxy is completely mixed.

TYPICAL PHYSICAL PROPERTIES

Water Cleanability	>90 minutes @ 73 °F
Pot Life	1 1/2 - 2 hours @ 70 °F
Cure Time	16 - 24 hours @ 73 °F
Compressive Strength	>5000 psi
Water Absorption	0%
Sag (vertical joint)	None - up to 3/8"
Workability	>90 minutes @ 73 °F
Installation Temperature	50 °F to 90 °F
Shelf Life	12 months
7 Day Shear Bond Strengths	
- Ceramic Mosaic	1000 psi
- Glazed Wall Tile	Tile breaks
- Quarry Tile	1000 psi

USE AS A SETTING SYSTEM

All surfaces must be clean, dry and smooth; free of voids, projections, loose materials, oil, grease, sealers, curing compounds, waxes and all other surface contaminants that may inhibit proper bond. For best results, surface, mortar, and tile should be at room temperature (70°F to 75°F). Do not apply at temperatures below 60°F, or above 85°F. Epoxy materials are affected by temperature variations. Cooler temperatures will decrease workability. Warmer temperatures will reduce sag resistance.

APPLICATION

Apply a thin coat of the properly mixed EzPoxy Mortar & Grout with the flat edge of trowel to achieve a good mechanical bond to the substrate. Comb additional mortar with the appropriate size notched trowel. If any evidence of skinning or setting occurs, recomb mortar with notched trowel. Apply mortar to an area no greater than can be tiled in 20 to 30 minutes. Apply tile using a twisting motion into a fresh bed of mortar to ensure maximum contact and bond. Periodically check back of tile to ensure proper transfer (minimum 80% coverage; wet, plywood, or heavy or extra heavy service area applications – minimum 95% coverage). A finished mortar bed thickness of 3/32" to 1/8" is required.



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EzPoxy

Tile Setting Materials & Accessories

December 2007 Supersedes all previously published literature.

T20



HELPFUL HINT: To extend working time, remove material from mixing container and pour it on the cool substrate as soon as possible. Material generates heat in container, which causes the material to set up quicker

APPLICATION OVER PLYWOOD: Maximum joist spacing shall be 16" on center. Plywood shall be Underlayment Exterior Grade or C-C Plugged Exterior Grade plywood (or better). If the existing floor is less than 1" thick, glue and nail 15/32" or 1/2" APA Underlayment Exterior Grade or C-C Plugged Exterior Grade plywood to the floor. Glue and nail using 5D or 6D (1-1/2" or 2") cement coated screw shank nails 6" on center along the panel edges and a maximum of 8" on center each way throughout the panel. Allow 1/8" gap between underlayment sheet edges and all areas that abut walls, drains, posts, etc. These areas shall be filled with mortar when tiles are installed. Clean and rough sand the plywood. Due to the limitations of plywood as a substrate, EzPoxy Mortar & Grout is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

APPLICATION OVER EXISTING VINYL/VCT FLOORING: Vinyl must be clean and well bonded to substrate. Do not install over cushion-backed or perimeter bonded sheet vinyl. Remove any loose pieces of vinyl or flooring. Ensure the exposed substrate is suitable for application.

APPLICATION OVER EXISTING CERAMIC TILE: Tile must be clean and well bonded to substrate. Mechanical abrasion with a Carborundum disk, followed by a clear water wash is recommended. Installation must be thoroughly rinsed and dry before setting the new tile.

CLEAN-UP

Clean all tools with soap and water. Do not allow material to dry on surface of tile.

CURING

Keep all foot traffic off the installation until tile is firmly set (approximately 12 hours). Set times are dependent upon temperature.

CURE TIME: Depending on ambient, slab, and material temperatures, grouting can generally begin after 24 hours with any quality Hydroment grouting system. Allow 48 hours before grouting with any 100% solids epoxy grout.

USE AS A GROUTING SYSTEM

SURFACE PREPARATION

Ensure tile is firmly set and mortar completely dry before grouting. Remove all spacers, debris or adhesive from tile joints. Application of a grout release agent may be necessary to prevent staining of tile. For best results, surface of tile should be at room temperature (70°F to 75°F). Do not apply at temperatures below 60°F, or above 85°F. Epoxy materials are affected by temperature variations. Cooler temperatures will decrease workability. Warmer temperatures will reduce sag resistance.

APPLICATION

Lightly moisten tile with clean, damp sponge before grouting. Spread grout over the face of the tile using a hard rubber epoxy grout float. Work grout back and forth at a 45° angle to the face of the tile to ensure complete filling of the joints. Remove excess grout by holding the rubber float at a 90° angle working diagonally across face of the tile.

INITIAL CLEANING

Begin cleaning the surface of the tile with water and a nylon scrub pad (i.e.: 3M Doodlebug®), using a circular cleaning motion. Immediately remove the epoxy/water residue with a slightly damp sponge (or turkish towel), by wiping (or dragging the towel) diagonally across the face of the tile. Use a wet sponge to "tool" the grout joints as required. Rinse sponge/towel frequently using two pails of water, one for rinsing out the heavy residue and the other for rinsing with clean water. Change water and rinse sponge/towel frequently to minimize the build up of epoxy haze. (Initial clean-up should begin as soon as possible.)

FINAL CLEAN UP

Depending on humidity and temperature, begin final clean up approximately 6-8 hours after initial cleaning. Clean the surface of the tile with lots of water and a nylon scrub pad (i.e.: 3M Doodlebug®), using a circular cleaning motion. Use of a buffing machine equipped with a white or blue 3M Doodlebug® pad during final clean up will increase efficiency on large jobs.



HELPFUL HINT: Although EzPoxy Mortar & Grout may be cleaned with water only, final clean up is enhanced tremendously with the addition a dilute alkaline cleaner. NEVER use acid cleaners or Hydroment Remove, as they will result in irreversible damage to the grout or tile. Ceramaseal Hydroclean can be used Final Clean Up for heavy textured tiles, or if there is a heavy epoxy haze. FINAL CLEAN-UP MUST BE COMPLETED WITHIN 24 HOURS OF INSTALLATION.

CLEAN-UP

Clean all tools with soap and water. Do not allow material to dry on surface of tile.

CURING

Keep all foot traffic off the installation until grout is firmly set (approximately 12 hours). Keep all heavy duty traffic off the installation until grout has an opportunity to fully set (approximately 72 hours).

LIMITATIONS

- All epoxies are temperature sensitive. Temperature swings 10°F up or down from 70°F will impact the product's viscosity and workability.
- Epoxies may discolor when exposed to ultra-violet light. It is less noticeable with darker colors.
- EzPoxy Mortar & Grout may show discoloration when exposed to strong chemicals, high temperatures, and/or staining materials for long periods of time. Wipe spills promptly.
- Do not use in installations where deflection exceeds L/360 (1" in 30 feet). Do not mix partial units.
- Do not apply over oriented strand board, particle board, masonite, luaun, or similar unstable substrates.
- Do not use where hydrostatic pressure can occur.
- Due to the limitations of plywood as a substrate, EzPoxy Mortar & Grout is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.
- Intermittent exposure to temperatures up to 350°F is acceptable. Not for continuous exposure to temperatures above 140°F. May stain light colored marble or stone (always check for compatibility).
- Do not use as an adhesive/mortar for exterior installations
- Trowel size is suggested to maximize transfer/coverage of mortar. Periodically check coverage during installation.
- Installation of Natural Stone may not be subject to deflection in excess of L/720.

STORAGE/SHELF LIFE

12 months from date of manufacture

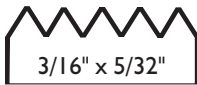
PACKAGING

EzPoxy Mortar & Grout is available in 14 lb and 30 lb kits containing Powder Aggregate, Part A Epoxy Resin and Part B Epoxy Hardener.

EZPOXY GROUT COVERAGE					
Tile Size	Pounds per 100 Square Feet Joint Width				
	1/16"	1/8"	1/4"	3/8"	1/2"
1" x 1" x 1/4"	28	50	85	110	130
2" x 1" x 1/4"	21	39	67	90	109
2" x 2" x 1/4"	14	26	50	68	85
3" x 3" x 1/4"	10	19	35	50	62
4" x 4" x 1/4"	8	14	26	39	50
4" x 4" x 3/8"	11	21	41	57	74
4" x 4" x 1/2"	14	28	54	77	109
4" x 8" x 3/8"	9	17	31	44	57
4" x 8" x 1/2"	11	21	41	59	77
4" x 8" x 1 3/8"	30	58	112	163	209
6" x 6" x 3/8"	8	14	28	41	52
6" x 6" x 1/2"	10	19	36	55	69
6" x 6" x 3/4"	14	29	55	80	103
8" x 8" x 1/4"	4	8	14	21	26
8" x 8" x 3/8"	6	11	21	31	40
8" x 8" x 1/2"	8	14	29	51	54
10" x 10" x 3/8"	4	9	18	25	33
12" x 12" x 1/4"	3	6	10	14	19
12" x 12" x 3/8"	4	8	14	21	28
12" x 12" x 1/2"	6	10	19	29	37

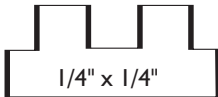
RECOMMENDED TROWELS FOR MAXIMUM PERFORMANCE

Ceramic mosaics
Mounted ceramics
Coverage 90-100 ft²/unit



3/16" x 5/32"

4" x 4" & 4" x 8"
Ceramic & pavers
Coverage 50-60 ft²/unit



1/4" x 1/4"

PLANT LOCATIONS

Twinsburg, OH 44087
Conyers, GA 30207
Paulsboro, NJ 08066



Middleton, MA 01949
(800) 7-BOSTIK/(800) 726-7845
www.bostik-us.com

LIMITED WARRANTY

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