



# EzPoxy™ EzClean™

100% SOLIDS EPOXY MORTAR & GROUT

## KEY FEATURES

- Excellent cleanability
- Superior chemical resistance
- Meets ANSI A118.3 Specification

## DESCRIPTION

Bostik EzPoxy™ EzClean™ is a 100% Solids Epoxy Mortar & Grout with outstanding application and clean-up properties. Use with ceramic, quarry, porcelain, granite, slate, pre-cast terrazzo, dimensional and moisture sensitive stone tiles over properly prepared concrete, structurally sound, exterior grade plywood (interior/dry use only), cement backer board, Bostik GoldPlus™, Ultra-Set® Advanced, Black-Top™ and existing ceramic tile.

## DIRECTIONS FOR USE

Read and understand technical and safety data sheets completely before beginning installations. Refer to [www.bostik-us.com](http://www.bostik-us.com) for the most recent product information.

## WHEN USED AS A MORTAR

### SURFACE PREPARATION

All surfaces must be structurally sound, dimensionally stable, dry, clean and free from all contaminants. For best results, surface, mortar, and tile should be at room temperature (70°F/21°C to 75°F/24°C). Do not apply at temperatures below 60°F (16°C), or above 85°F (29°C). Epoxy materials are affected by temperature variations. Cooler temperatures will decrease workability. Warmer temperatures will reduce sag resistance.

### MIXING

Pour the entire contents of Part A and Part B into the 3.5-gallon pail. Mix for approximately 40 seconds. Then add the sand/colorant packet and mix for approximately 1 additional minute. Immediately pour product onto cool substrate to extend working time.



## TYPICAL PHYSICAL PROPERTIES

Water Cleanability	>90 minutes @ 73°F (22°C)
Pot Life	45 minutes @ 70°F (21.1°C)
Cure Time	16 - 24 hours @ 73°F (22°C)
Compressive Strength	>5000 psi
Water Absorption	0%
Sag (vertical joint)	None - up to 3/8"
Workability	>90 minutes @ 73°F (22°C)
Installation Temperature	50°F (10°C) to 90°F (32.2°C)
Shelf Life	12 months

### 7 Day Shear Bond Strengths:

Ceramic Mosaic	1000 psi
Glazed Wall Tile	Tile breaks
Quarry Tile	1000 psi

## APPLICATION

**MORTAR:** Apply a thin coat of EzPoxy™ EzClean™ to the substrate with the flat edge of the trowel. Apply additional mortar with the appropriate 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). If any evidence of setting occurs, remove and reapply. A finished mortar bed thickness of 3/32" to 1/8" is required.

**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, Bostik EzPoxy™ EzClean™ 100% Solids Epoxy 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.

## WHEN USED 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/21°C to 75°F/24°C). Do not apply at temperatures below 60°F (16°C), or above 85°F (29°C). Epoxy materials are affected by temperature variations. Cooler temperatures will decrease workability. Warmer temperatures will reduce sag resistance.

## APPLICATION

**GROUT:** 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™ EzClean™ may be cleaned with water only, final clean up is enhanced tremendously with the addition a dilute Alkaline Cleaner. **NEVER** use acid cleaners or Bostik Ultimate™ Adhesive Remover, as they will result in irreversible damage to the grout or tile.

## CLEAN-UP

Clean tools immediately with soap and water. Do not let material cure on the tile surface.

## CURING

Restrict foot traffic until tile is firmly set (≈ 12 hrs). Set time varies with temperature. Grouting can generally begin after 24 hours. Allow 48 hours before grouting with any 100% solids epoxy grout when installed over a cement mortar.

## LIMITATIONS

- All epoxies are temperature sensitive. Temperature swings 10°F (-12°C) up or down from 70°F (21°C) 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™ EzClean™ 100% Solids Epoxy 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™ EzClean™ 100% Solids Epoxy 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 (176.6°C) is acceptable. Not for continuous exposure to temperatures above 140°F (60°C). May stain light colored marble or stone.
- 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.

## 14 LB. KIT COVERAGE CHART (FT<sup>2</sup>)

Tile Size	1/16"	1/8"	3/16"	3/8"	1/2"
1" x 1" x 1/4"	48	24	12	8	6
2" x 1" x 1/4"	64	32	16	10	8
2" x 2" x 1/4"	96	48	24	16	12
3" x 3" x 1/4"	152	76	38	25	19
4" x 4" x 1/4"	200	100	50	33	25
4" x 4" x 3/8"	136	68	34	22	17
4" x 4" x 1/2"	96	48	24	16	12
4" x 8" x 3/8"	176	88	44	29	22
4" x 8" x 1/2"	136	68	34	22	17
4" x 8" x 1 3/8"	48	24	12	8	6
6" x 6" x 3/8"	200	100	50	33	25
6" x 6" x 1/2"	152	76	38	25	19
6" x 6" x 3/4"	96	48	24	16	12
8" x 8" x 1/4"	408	204	102	68	51
8" x 8" x 3/8"	272	136	68	45	34
8" x 8" x 1/2"	200	100	50	33	25
10" x 10" x 3/8"	336	168	84	56	42
12" x 12" x 1/4"	616	308	154	102	77
12" x 12" x 3/8"	408	204	102	68	51
12" x 12" x 1/2"	304	152	76	50	38

## PACKAGING

### Resin Kit

Part A (Resin) - 48 fl oz (1.41 L)

Part B (Hardener) - 11.7 fl oz (340 mL)

**Sand/Colorant** - 11 lbs (5.0 kg)

## DANGER

**PART A:** CONTENTS HARMFUL IF SWALLOWED OR INHALED. CONTAINS POTENTIAL SENSITIZER. MAY CAUSE ALLERGIC SKIN OR LUNG REACTION. MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT. Do not breathe fumes. Do not get in eyes, on skin or on clothing. Do not swallow. Handle with care. Use only in a well-ventilated area or wear mask. Wear protective clothing including gloves during handling. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

**PART B:** CORROSIVE. STRONG SENSITIZER. CONTENTS HARMFUL IF SWALLOWED, INHALED OR BY SKIN CONTACT. CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE ALLERGIC SKIN OR LUNG REACTION. Do not breathe fumes. Do not get in eyes, on skin or on clothing. Do not swallow. Handle with care. Use only in a well-ventilated area or wear mask. Wear protective clothing including gloves during handling. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

**SAND/COLORANT:** CONTENTS HARMFUL IF SWALLOWED OR INHALED. CANCER AGENT! EXPOSURE MAY PRODUCE CANCER. MAY CAUSE RESPIRATORY IRRITATION. Do not breathe dust. Do not get in eyes, on skin or on clothing. Do not swallow. Handle with care. Use only in a well-ventilated area or wear mask. Wear protective clothing including gloves during handling. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

**KEEP OUT OF THE REACH OF CHILDREN.**

## EZPOXY™ EZCLEAN™ - RESIN KIT

Item No.	Color/Part	Code	Size
G93615	Resin Kit	--	<b>Part A</b> 48 fl oz <b>Part B</b> 11.7 fl oz

## EZPOXY™ EZCLEAN™ - SAND/COLORANT

G93616	White	H152	1 pack*
G93617	Classic Bone	H158	1 pack*
G93618	Alabaster	H189	1 pack*
G93619	Linen	H163	1 pack*
G93620	Almond	H153	1 pack*
G93621	Antique White	H135	1 pack*
G93622	Champagne	H138	1 pack*
G93623	Latte	H192	1 pack*
G93624	Jamoca	H162	1 pack*
G93625	Summer Wheat	H150	1 pack*
G93626	Sand Biege	H148	1 pack*
G93627	Flash Walnut	H141	1 pack*
G93628	Mobe Pearl	H145	1 pack*
G93629	Misty Gray	H144	1 pack*
G93630	Delorean Gray	H160	1 pack*
G93631	French Gray	H142	1 pack*
G93632	Char Black	H139	1 pack*
G93633	Portabella	H184	1 pack*
G93634	Clay	H197	1 pack*
G93635	Timber	H199	1 pack*
G93636	Silver Bullet	H168	1 pack*
G93637	Steel	H200	1 pack*
G93638	Lunar	H196	1 pack*
G93639	Storm	H198	1 pack*
G93640	Taupe	H151	1 pack*
G93641	Alpine White	H183	1 pack*
G93642	Brick	H136	1 pack*

\*1 pack of sand/colorant must be ordered with Resin Kit (Part A & Part B)

## FIRST AID TREATMENT

**PART A:** Contains Epoxy Resins, Benzyl Alcohol and Tetrahydrofurfuryl Alcohol. If in eyes or on skin, rinse with water for at least 15 minutes. If on clothes, remove clothes. If breathed in, move person to fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

**PART B:** Contains Polyamidoamine, Diethylenetriamine and Tetraethylenepentamine. If in eyes or on skin, rinse with water for at least 15 minutes. If on clothes, remove clothes. If breathed in, move person to fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

**SAND/COLORANT:** Contains Quartz Silica. If in eyes or on skin, rinse with water for at least 15 minutes. If on clothes, remove clothes. If breathed in, move person to fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

**SEE SAFETY DATA SHEET.**

## RECOMMENDED TROWELS FOR MAXIMUM PERFORMANCE

Ceramic mosaics - Mounted Ceramics  
Coverage 30-40 ft<sup>2</sup>/unit



3/16" X 5/32" V-Notch

4" x 4" and 4" x 8" - Ceramic & Pavers  
Coverage 20-30 ft<sup>2</sup>/unit



1/4" X 1/4" Square-Notch

Trowel size is suggested to maximize mortar transfer/coverage. Periodically check coverage during installation. Uneven substrate may require the use of either a leveling/patching material, or larger notched trowel for proper mortar coverage.

## STORAGE/SHELF LIFE

Store in a clean, dry area, off the ground on a pallet, not affected by freezing or hot temperatures. Shelf life is one year from date of manufacturing in unopened bags.

## VOC

### Resin Kit:

Part A: 67 g/L (as calculated per SCAQMD 1168)

Part B: 0 g/L (as calculated per SCAQMD 1168)

**Sand/Colorant:** 0 g/L as calculated per SCAQMD 1168)

## LIMITED WARRANTY

Limited Warranty found at [www.bostik-us.com](http://www.bostik-us.com) or call 800.726.7845. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

BOSTIK HOTLINE™

Smart help™  
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This document supersedes all previously published literature.

