

## Technical Bulletin “STONEPOXY” FAST SET epoxy setting compound for natural stones, marble, granite and quartz surfaces

Revised 01-2014 SBB



### Description:

**STONEPOXY FAST SET** is a two-component solid thixotropic gel epoxy specially formulated for use as a structural adhesive and patching compound. It is formulated to provide a tenacious bond to most concrete, wood, fiberglass and metal surfaces. It is resistant to moisture and most chemicals and solvents. **STONEPOXY FAST SET and STONEPOXY SLOW SET** are also excellent as concrete bonding agents and as binders for epoxy mortar grout patching. The two components are mixed to obtain a smooth paste that is easy to apply even on vertical structures in thickness up to 1 cm in a single layer. It does not shrink but becomes a compound with excellent adhesion and mechanical strength.

### Advantages:

MEETS ASTM C-881 TYPE I, II, IV, & V, GRADE 3, CLASS B & C  
NO VOC'S OR SOLVENTS  
NON-SAG GEL  
DOT APPROVALS

### Uses:

FOR BONDING NEW CONCRETE TO NEW OR EXISTING CONCRETE:  
CONCRETE BONDING AGENT  
CRACK HEALING/SEALING  
KEY WAY REPAIRS  
EPOXY MORTARS AND GROUTS  
CERAMIC TILE ADHESION  
VERTICAL AND OVERHEAD PATCHING

### Technical Characteristics:

Tensile Strength ASTM D-638	8,250 psi
Tensile elongation ASTM D-638	2% (min)
Tensile Modulus	352,000 psi (min)
Compressive ASTM D-695	12,500 psi (min)
Compressive Modulus	470,000 psi (min)
Flexural Strength	14,500 psi (min)
Cure Time @ 77°F	12 hours
Thin Film Set-Time @ 77°F	4 hours
Mix ratio by volume	1:1
Mixed Viscosity	Creamy Gel
Color Mixed	Gray
Weight per 1 Gallon Kit	13.5 Lbs

All data indicated in this leaflet are the results of tests and experiments carried out in our laboratories and through reliable operators in the stone business and have to be considered reliable. Because of the many factors which can influence them, the information here reported do not constitute implicit or formal guarantees. The end user undertakes the responsibility in the usage of the product making sure to experiment the product characteristic as preventive measure.



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#### Instruction for Use:

1. To insure good adhesion using STONEPOXY FAST SET, it is important to properly clean and prepare the substrate and all of the surfaces to be bonded. Sandblasting is ideal to remove all loose and crumbling parts, efflorescence, cement laitance and traces of form-release oils. Remove all dust with compressed air.
2. Thoroughly mix measured amounts of 1 part of Part A Resin with 1 part of Part B Hardener by volume until streak free. Scrape side and bottom of pail frequently during mixing to insure a good mix. Mix only enough that can be applied in 40 minutes. To mix STONEPOXY FAST SET pour all of Part “B” (beige) into the entire contents of the Part “A” bucket (gray) and mix with a drill fixed with an agitator at a low speed (to prevent excess heat generation) until a uniform mix is obtained (STONEPOXY SLOW SET can also be mixed 1:1 by volume). The product as packaged is already pre-dosed. To avoid incomplete hardening of STONEPOXY FAST SET do not use partial quantities. When partial quantities are necessary, use a precision electronic scale. The mixing ratio is 1 part by weight of Part A to 1 part by weight of Part B.
3. STONEPOXYFAST SET can be applied on concrete, stone, brick or metal with a notch trowel. To obtain good bonding, it is recommended to spread the adhesive on both surfaces that need bonding and let the product penetrate well, especially on irregular surfaces. After applying the adhesive, unite the two pieces that need bonding and keep firm until the adhesive has completely hardened. The sufficient thickness to obtain an excellent bonding strength is approximately 1 – 2 mm. Because of the excellent thixotropic property, STONEPOXY FAST SET can be applied vertically or on ceilings without slipping. During the summer it is preferable to not expose the product to sunlight and carry out bonding during the cooler hours of the day in order to prevent the rapid hardening of the product which would make application difficult. During the winter, if outdoor bonding has to be done in temperatures lower than 60°F, it is recommended to heat the substrate at least 24 hours before bonding and use an appropriate insulating system to avoid freezing. Thermal insulation must be maintained for at least the next 24 hours. Store the product in a heated environment before use.

#### Suggestion for Use:

Not for use on contaminated or oily surfaces

Do not install when surface temperature is below 60°F or above 85°F

During damp and/or cool conditions epoxy will cure slower and protect finished work from traffic until fully cured

Do not use for sealing flexible or joints subject to movement

Do not use for shrinkage joints between fresh and old concrete

Do not use on wet surfaces

Do not use on dirty or crumbling surfaces

Do not use for bonding and grouting anti-acid ceramic tiles

Read the instructions carefully before using STONEPOXYFAST SET

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### Shelf Life:

Factory sealed containers are guaranteed to be of first quality for min. 24 months.

### Application on surface:

Marble, granite, terrazzo, agglomerated and engineered stones, sandstone, limestone, resin marble, concrete.

### Safety procedures:

Always consult [Material Safety Data Sheets](#) issued to follow your national laws concerning safety in the working place.

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins.
- May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

### Coverage:

1/8" x 1/8" V-notch trowel – 40 to 50 ft<sup>2</sup> (4 to 5 m<sup>2</sup>)

1/4" x 1/4" x 1/4" Square notch trowel – 20 to 25 ft<sup>2</sup> (1.8 to 2.3 m<sup>2</sup>)

1/4" x 3/8" x 1/4" Square notch trowel – 18 ft<sup>2</sup> (2 m<sup>2</sup>)

### Packing:

5.4kg units (Part “A” = .5 Gallon Part “B” = .5 Gallon)

The container is composed of Polyethylene High Density (HDPE). After use, comply with the local and national regulations currently in force regarding recycling.

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