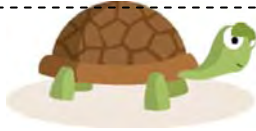


## Technical Bulletin “STONEPOXY” SLOW SET epoxy setting compound for natural stones, marble, granite and quartz surfaces

Revised 01-2014 SBB



### Description:

**STONEPOXY SLOW SET** is a two-component thixotropic gel epoxy that can adhere tiles applied to vertical and overhead surfaces. **STONEPOXY SLOW SET** is an easy to mix 1 to 1 by volume ratio supplied in two clean and easy to use plastic pails. 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** is also excellent as a concrete bonding agent and as a binder 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. **STONEPOXY SLOW SET** is known to be very user friendly not only for its ease of mixing and application but has demonstrated to be non-irritating formulation for the installer as well.

### Advantages:

EXCELLENT ADHESION TO MOST SURFACES  
NO VOC'S OR SOLVENTS  
TOUGH AND DURABLE SURFACE  
CHEMICAL AND SOLVENT RESISTANT  
WATER CLEAN-UP FORMULATION

### Uses:

CERAMIC TILE ADHESIVE  
ALL PURPOSE BONDING  
CRACK & JOINT REPAIR  
PATCHING AND REPAIRING

### Technical Characteristics:

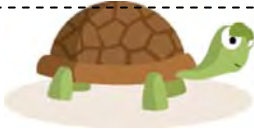
Tensile Strength ASTM D-638	5,500 psi
Compressive Strength ASTM D-638	14,500 psi
Impact (IZOD) Strength ASTM D-638	.22 ft lbs
Heat Deflection Temperature ASTM D-648	165°F
Gel Time @ 77°F (100 gms)	60 mins
Cure Time @ 77°F	6-8 hours
Full Cure Time @ 77°F	16-18 hours
Shore D Hardness	80/85
VOC Content	0%
Mix ratio by volume	1:1
Mixed Viscosity	Heavy Gel

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Color Mixed

Gray

Weight per 1 Gallon Kit

13.5 Lbs

### Instruction for Use:

1. To insure good adhesion using STONEPOXY SLOW 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 45 minutes. To mix STONEPOXY SLOW 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 FAST SET can also be mixed 1:1 by volume). The product as packaged is already pre-dosed. To avoid incomplete hardening of STONEPOXY SLOW 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. STONEPOXY SLOW 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 SLOW SET can be applied vertically or on ceilings without slipping. The environmental temperature has an effect on the hardening time of the two products. At 77°F STONEPOXY SLOW SET remains workable for approximately 45 minutes. No particular precautions need to be taken with temperatures between 50°F and 86°F. 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 50°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 50°F or above 95°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 STONEPOXY SLOW SET

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Simple Stone Care, Inc.

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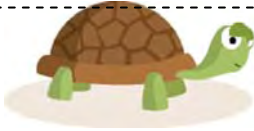
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### Shelf Life:

Factory sealed containers are guaranteed to be of first quality for min. 12 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.

### 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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