

Bonstone[®] Fast Set[™] 39 & 41

Product Description

A fast-setting, cold weather epoxy where initial setting speed or use in cold temperatures is required. Not recommended for interior use.

Product Features

- Fast setting
- Cures in below freezing temperatures
- Ability to adhere to slightly damp stone
- Can be used on porous stone



Applications

- Structural bonding and repairs of natural stone, concrete, masonry, metals, and wood
- Re-attaching stone
- Anchoring of bolts, dowels, rebar, and pins
- Crack repair

Specifications

Product Type:	Epoxy
Viscosity:	Flowing
Mix Ratio:	1:1
Set Time:	30 Minutes
Cure Time:	2 Hours
Pot Life:	5-6 Minutes
Application Conditions:	Exterior; Horizontal
Recommended Application Temp:	75°F (24°C)
Coverage:	Per Gallon: 50mils (1/16")30ft ² or 231cu. inches
Available Colors:	Gray (39) Buff, Cream (41)
Sizes:	600ml (41 only), Quart (946ml), Gallon (3,785ml)
Other:	Use with Manual Dual Cartridge Gun (EAS150M); Large Long Nozzle (EAS50024)



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Surface Preparation & Use

Use gloves, wear eye protection, and avoid skin contact. When grinding cured joints, wear a dust mask. Substrate to be bonded must be completely dry and dust free. Mix only the amount of epoxy which can be used in 5 minutes. Avoid stressing joint before complete cure of epoxy. Mask areas which must be kept free of epoxy. Clean uncured epoxy from tools with toluol (toluene) or xylol (xylene). Use caution, these solvents are flammable. Ensure local ventilation. Remove cured epoxy mechanically.

Mixing Instructions

The unmixed epoxy components should be at or above 45°F (7°C). Combine the two ingredients at the following ratio: one part A to one part B. Mix thoroughly, ingredients must be blended homogeneously for proper cure.

Temperature Dependency

This product is unique, and cures even at below freezing temperatures.

Shelf Life & Storage

Shelf life is approximately one year if kept in unopened cans in a dry area at 75°F.

Limitations

Use on dry substrates. Use on oil, grease, and coating-free substrates. This product will yellow on exterior exposure to sunlight. Due to strong odor, this product is recommended for exterior use.

Safety

Before storing, mixing, or applying this product, read and understand all the product's Safety Data Sheets. For a copy of the SDS, contact Bonstone Materials at (800) 425-2214.

Warranty

This product's warranty is limited to replacement of defective material and freight charges to destination only. Bonstone Materials is not responsible for consequential damages.

Testing Data

<u>Strengths</u>	<u>Results</u>	<u>Test Method</u>
Tensile	6,443 psi	ASTM D-638
Compressive	13,323 psi	ASTM D-695
Flexural	751,260 psi	ASTM D-790
<u>Modulus</u>		
Tensile	1,276,006 psi	ASTM D-638
Compressive	292,840 psi	ASTM D-638
Flexural	751,260 psi	ASTM D-790
Elongation: Tensile: Elongation at break	0.29%	ASTM D-638
Shore D	90	ASTM D-2240
Heat Distortion Temp	125°F (52°C)	Not available
Shear Strength	3,236 psi limestone to limestone, stone fractured	Not available
24 Hour Water Absorption	Not available	Not available
Other	NA	



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