

Bonstone[®] Anchor

Product Description

A two-part, slow cure, engineering-grade, high performance exterior epoxy.

Product Features

- Slow setting
- Ideal for assemblies which require longer open times and elevated temperatures
- May be thickened with Touchstone™ T-100
- Can be tinted using Touchstone™ Liquid Tints



Applications

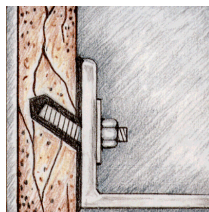
- Anchoring stainless steel bolts in stone panels
- Stone to stone bonding
- Liner block applications
- Laminating stone to other construction materials
- Assembly window units

Specifications

Product Type:	Epoxy
Viscosity:	Flowing
Mix Ratio:	1:1
Set Time:	6-8 Hours
Cure Time:	24 Hours
Pot Life:	35 Minutes
Application Conditions:	Exterior; Horizontal
Recommended Application Temp:	70°F (21°C)
Coverage:	Per Gallon: 50mils (1/16") 30ft ² or 231cu. inches
Available Colors:	Buff, Cream, Gray
Sizes:	Qt, Gallon, Pail
Other:	



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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 10 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

All material should be at or above 60°F (16°C). Combine the two ingredients at the following weight ratio: One part of A to one part B. Mix thoroughly, ingredients must be blended homogeneously for proper cure. Best to mix using double mix method. The double mix method is used to mix an epoxy product completely and uniformly. The two components are mixed in one container, transferred to another, and remixed. This allows the contractor to scrape the final mixing container extremely clean without the possibility of using unmixed product. The double mix method is used to completely and uniformly mix an epoxy product. The two components are mixed in one container, transferred to another, and remixed. This allows the contractor to scrape the final mixing container extremely clean without the possibility of using unmixed product.

Temperature Dependency

The adhesive, substrate, aggregate, and environment's temperature will affect the working properties of the material. Lower temperatures will prolong cure, higher temperatures will shorten cure time. Every 15°F (-9°C) results in doubling the speed of cure. Therefore, at 90°F (32°C) set time is cut in half, at 60°F (16°C) the set time is doubled. Do not use on substrate at a temperature below 55°F (13°C).

Shelf Life & Storage

Shelf life is approximately one year if kept in unopened cans in a dry area at 75°F (24°C). If Bonstone Anchor part A is exposed to below room temperature conditions for extended periods of time, it may crystallize, giving it a stiff, grainy consistency. The product must be reconstituted before use by heating it to 150°F (66°C). Stir until it becomes a homogeneous liquid.

Limitations

Use on dry stone. Use on oil, grease, and coating-free stone. Some yellowing and chalking will occur when exposed to ultra-violet light.

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	3,550 psi	ASTM D-638
Compressive	9,210 psi	ASTM D-695
Flexural	943,000 psi	ASTM D-790
<u>Modulus</u>		
Tensile	941,000 psi	ASTM D-638
Compressive	126,604 psi	ASTM D-638
Flexural	943,000 psi	ASTM D-790
Elongation: Tensile: Elongation at break	.40%	ASTM D-638
Shore D	91	ASTM D-1706
Heat Distortion Temp	120°F (49°C)	ASTM D-648
Shear Strength	Academy Black, Compressive Load 3,911 psi Stone Failure	ASTM D-905-89
24 Hour Water Absorption	0.04%	ASTM D-570
Other	NA	



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