

Bonstone[®] Ultimate[™]

Product Description

A two-component, UV stable, structural, exterior grade epoxy.

Product Features

- UV Stable
- Non-yellowing, staining and bleeding
- Low odor
- Fast cure
- Will adhere in areas between 40°F - 50°F (4 to 5°C)
- Adheres to porous stone




Applications

- Anchoring
- Bonding stone to stone, concrete, and metal
- Mitering
- Laminating limestone



Specifications

Product Type:	Urethane	 Chemical Concepts[™] Our expertise is your solution. chemical-concepts.com 800.220.1966 410 Pike Road • Huntingdon Valley, PA 19006
Viscosity:	Knife-Grade	
Mix Ratio:	2:1	
Set Time:	15 Minutes	
Cure Time:	2 Hours	
Pot Life:	6 Minutes	
Application Conditions:	Interior, Exterior; Vertical, Horizontal	
Recommended Application Temp:	75°F (24°C)	
Coverage:	50mils (1/16")30ft ² or 231cu. inches	
Available Colors:	Buff, Gray	
Sizes:	180ml, Pint (473ml), Quart (946ml), Gallon (3,785ml)	
Other:	Use with Manual Single Cartridge Gun (011055); Large Pro-Tip Nozzle (280AN226)	



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. Mix container may get very hot if a mass of mixed Ultimate is left in container. If the mixed Ultimate is very warm, do not use, it is too close to the get stage and will prevent adequate adhesion. Avoid stressing joint before complete cure of Ultimate. Mask areas which must be kept free of epoxy. Clean uncured Ultimate 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 Ultimate components should be at or above 45°F (7°C). Combine the two ingredients at the following volume ratio: Two Parts 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 (24°C).

Limitations

Use on dry substrates. Use on oil, grease, and coating-free substrates. This product will NOT yellow on exterior exposure to sunlight.

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	4,310 psi	ASTM D-638
Compressive	7,137 psi	ASTM D-695
Flexural	474,401 psi	ASTM D-790
<u>Modulus</u>		
Tensile	368,333 psi	ASTM D-638
Compressive	125,313 psi	ASTM D-638
Flexural	474,401 psi	ASTM D-790
Elongation: Tensile: Elongation at break	0.93%	ASTM D-638
Shore D	82	ASTM D-1706
Heat Distortion Temp	Not available	Not available
Shear Strength	Not available	Not available
24 Hour Water Absorption	Not available	Not available
Other	NA	



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