

## Bonstone<sup>®</sup> Duropoxi

### Product Description

A two-part, exterior grade, structural epoxy. Duropoxi is a general purpose adhesive for concrete, masonry, stone, metal and wood.

### Product Features

- Exceptional strength and durability
- General purpose adhesive
- Comes in smaller quantities and is affordable compared to other epoxies
- Water cleanup with Scotch-Brite<sup>®</sup> Pad
- Can be tinted using Touchstone<sup>™</sup> Liquid Tints



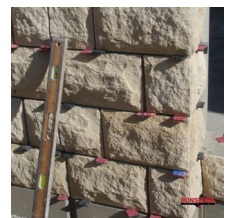
### Applications

- Cemetery restoration and repairs
- Stone monument and mausoleum construction
- Setting stone pavers and tiles
- General purpose adhesive for concrete, masonry, stone, metal, and wood
- Can be used to spot bond or applied with trowel
- Hardscape sills and capping stone adhesive

### Specifications

Product Type:	Epoxy
Viscosity:	Knife-Grade
Mix Ratio:	1:1
Set Time:	2-4 Hours
Cure Time:	24 Hours
Pot Life:	20 Minutes
Application Conditions:	Exterior; Vertical, Horizontal
Recommended Application Temp:	75°F (24°C)
Coverage:	Per Gallon: 50mils (1/16")30ft <sup>2</sup> or 231cu. inches
Available Colors:	Gray
Sizes:	Quart (946ml), Gallon (3,785ml)
Other:	NA

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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

The unmixed epoxy components should be at or above 55°F (13°C). Combine the two ingredients at the following ratio: one part Duropoxi A to one part Duropoxi 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 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).

## Limitations

Use on dry stone. Use on grease, and coating-free stone. This product will 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	2,622 psi	ASTM D-638
Compressive	5,791 psi	ASTM D-695
Flexural	281,936 psi	ASTM D-790
<u>Modulus</u>		
Tensile	527,467 psi	ASTM D-638
Compressive	177,493 psi	ASTM D-638
Flexural	281,936 psi	ASTM D-790
Elongation: Tensile: Elongation at break	0.60%	ASTM D-638
Shore D	87	ASTM D-2240
Heat Distortion Temp	Not available	Not available
Shear Strength	4148.8 psi granite to granite	Not available
24 Hour Water Absorption	.2% by weight	Not available
Other	NA	



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