DATA SHEET

TOUCHSTONE™ DuroPoxi

MANUFACTURER

Bonstone Materials Corporation

PRODUCT DESCRIPTION

A two-component, exterior grade, non-sag gel epoxy, water-cleanup

Basic Uses:

- Stone monument and mausoleum construction
- Setting stone countertops
- Tile setting and grouting
- Concrete, masonry and stone patching and mending
- Bonding concrete, masonry, and stone
- Anchor bolt adhesive
- Concrete crack injection
- General purpose adhesive for concrete, masonry, stone, metal, wood, plastic.

Limitations: Use on dry –oil, grease and coating free- substrates.

TECHNICAL DATA

(see reverse side)

INSTALLATION

General Instructions See separate doweling, laminating, and patching instructions for more specific instructions. CSI format specifications are available.

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 that can be used in 15 minutes. Avoid stressing joint before complete cure of epoxy. Mask areas that must be kept free of epoxy. Clean uncured epoxy from tools with warm, soapy water. Remove cured epoxy mechanically.

Mixing instructions: All materials should be at or above 55°F. Combine the two ingredients at the following volume ratio: one part Touchstone™ DuroPoxi Part A to one part Touchstone™ DuroPoxi Part B. Mix thoroughly--- ingredients must be blended homogeneously for proper cure.

Temperature dependency: Temperature will affect the working properties of the material. Approximately every 15°F results in doubling the speed of cure. Therefore, at 90°F the set time is cut in half, and at 60°F the set time is doubled. Do not use on a substrate at a temperature below 55°F.

Coverage: Approximately 30 square feet per gallon when applied at 50 mils (1/16th of an inch). 231 cubic inches per gallon.

AVAILABILITY

Packaging and storage: DuroPoxi is available in quarts and gallons. Shelf life is approximately one year if kept in unopened cans in a dry area at 75°F.

WARRANTY

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

MAINTENANCE

Designed for application in areas inaccessible to maintenance procedures.

TECHNICAL SERVICE

Specification Service

- specifications for various applications
- specification writing dept. for unique applications

TECHNICAL DATA

Mixed Properties	**Values**	**Test Methods**
Mix Ratio:	1 part Duropoxi Part A, to 1 part Duropoxi Part B by volume	
Pot Life at 75°F:	20 minutes	

Cured Properties

Initial set time at 75°F:	1 hours	
Full cure time at 75°F:	within 24 hours	
Tensile Break Strength:	2,622 psi	ASTM D-638
Tensile Modulus:	527,467 psi	ASTM D-638
Tensile Elongation at break:	0.6 %	ASTM D-638
Compressive Yield Strength:	5,791 psi	ASTM D-695
Compressive Modulus:	177,493 psi	ASTM D-695
Flexural Break Strength:	4,740 psi	ASTM D-790
Flexural Modulus:	281,936 psi	ASTM D-790
Shore D Hardness:	87	ASTM D-2240
Granite-to-granite shear bond strength	4148.8 psi	
Water Absorption, 24 hours	0.2 percent by weight	

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 container extremely clean without the possibility of using unmixed product.