

## Touchstone<sup>™</sup> Express II



### Product Description

A two-part, transparent epoxy used for rodding and laminating. This fast setting epoxy enables fabricators to work on the edge in half the time it takes for most epoxies.

### Product Features

- Available in knife-grade or flowing
- Knife-grade is gel consistency ideal for tight laminations
- Fast curing
- Transparent and easily polished
- Ideal for high-humidity or freeze-thaw conditions
- Can be tinted using Touchstone<sup>™</sup> Liquid Tints



### Applications

- Countertop fabrication
- Stone lamination
- Rodding Countertops
- Hollow tile injection
- Stone to stone bonding



### Specifications

Product Type:	Epoxy
Viscosity:	Knife-Grade, Flowing
Mix Ratio:	2:1
Set Time:	30 Minutes
Cure Time:	12 Hours
Pot Life:	5 Minutes
Application Conditions:	Interior, 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:	Clear
Sizes:	50ml, 450ml, Quart (946ml), Gallon (3,785ml), 5 Gallon Pail (18,927ml)
Other:	<ul style="list-style-type: none"> <li>• 50ml Use 50ml Gun (R6T501); Long Nozzle (190-620)</li> <li>• 450ml Use Manual Dual Gun (EAS150M); Small Long Nozzle (EAS30024)</li> </ul>

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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 material which can be used in 10 minutes (or less, if Accelerator is used). Avoid stressing joint before complete cure of material. Mask areas which must be kept free of material. Clean tools of uncured material using toluene or xylene. Use caution, these solvents are flammable and ensure local ventilation. Remove cured material mechanically.

## Mixing Instructions

Minimum product and substrate temperature should be at or above 40°F (4°C). Combine the two ingredients at the following mix ratio: Two parts of A to one part B.



## 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 40°F (4°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 stone that is free of any, grease, or coatings. Some yellowing and chalking will occur when exposed to ultraviolet 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>
<b>Tensile</b>	Flow: 10,556 psi Knife-grade: 4,779 psi	ASTM D-638
<b>Compressive</b>	Flow: 15,226 psi Knife-grade: 14,292 psi	ASTM D-695
<b>Flexural</b>	Flow: 608,350 psi Knife-grade: 608,485 psi	ASTM D-790
<b><u>Modulus</u></b>		
<b>Tensile</b>	Flow: 659,861 psi Knife-grade: 1,120,989 psi	ASTM D-638
<b>Compressive</b>	Flow: 402,484 psi Knife-grade: 303,779 psi	ASTM D-638
<b>Flexural</b>	Flow: 608,350 psi Knife-grade: 608,485 psi	ASTM D-790
<b>Elongation: Tensile: Elongation at break</b>	Flow: 2% Knife-Grade: 0.45%	ASTM D-638
<b>Shore D</b>	Flow: 88 Knife-Grade: 89	ASTM D-1706
<b>Heat Distortion Temp</b>	Not available	Not available
<b>Shear Strength</b>	Not available	Not available
<b>24 Hour Water Absorption</b>	Not available	Not available
<b>Other</b>	NA	



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