

TouchstoneTM Express II



High Strength Permanent Bond

Express II Flowing and Knifegrade epoxy is a two-part transparent epoxy that sets up in 30 to 60 minutes at 75°F, which enables fabricators to work on the edge in half the time it takes for most epoxies. Not recommended for light colored stones.

Product Information

- Mix Ratio = 2:1 by volume
- Set Time = 30 min @ 75°F
- Fast curing
- Transparent and easily polished
- Exceptional strength & durability
- Excellent clarity—easily colorized
- Holds up through rigorous machining
- Exterior grade epoxy
- Knife-Grade is gel consistency ideal for tight laminations
- Ideal for high humidity or freeze-thaw conditions
- Can be tinted with **Liquid Tints**

Applications

- Countertop fabrication
- Stone lamination
- Laminating stone to other construction materials
- Excellent for rodding countertops
- Stone patching, mending, repairing and bonding



Available In

Flowing

- 50ml Cartridge
- 450ml Dual Cartridge
- Quart Kit (2qts A + 1qt B)
- Gallon Kit (2 Gal A + 1 Gal B)

Knifegrade

- Quart Kit (2qts A + 1qt B)
- Gallon Kit (2 Gal A + 1 Gal B)



Manufactured by Bonstone
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TECHNICAL DATA SHEET

FILE UNDER DIV. 4

Express II Epoxy

Product Description

A two-part transparent epoxy sets up in 30 to 45 minutes @ 75°F and will enable the fabricator to work on the edges in half the time it takes for most epoxies.

		Express II Knife Grade	Express II Flowing
<u>Mixed Properties</u>	<u>Test Methods</u>	<u>Values</u>	<u>Values</u>
Mix ratio		— (2 parts A to 1 part B by volume) —	
Pot life at 75°F		5 minutes	5 minutes
<u>Cured Properties</u>			
Initial set time at 75°F		30 minutes	30 minutes
Full cure time at 75°F		within 12 hours	within 12 hours
<u>Strengths</u>			
Tensile	ASTM D-638	4,779 psi	10,556 psi
Compressive	ASTM D-695	14,292 psi	15,226 psi
Flexural	ASTM D-790	14,157 psi	17,138 psi
Shear - academy black granite (sheer by compressive loading)	ASTM D-905-89	4,584 psi (stone failure)	
<u>Modulus</u>			
Tensile	ASTM D-638	1,120,989 psi	659,861 psi
Compressive	ASTM D-695	303,779 psi	402,484 psi
Flexural	ASTM D-790	608,485 psi	608,350 psi
<u>Elongation</u>			
Tensile: elongation at break	ASTM D-638	0.45%	2.0%
Shore D hardness	ASTM D-1706	89	88

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