# Touchstone™ Express II

ZERO VOC

## 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 |
|---|---|---|---|
| ***Mixed Properties*** | ***Test Methods*** | ***Values*** | ***Values*** |
| Mix ratio | | —— (2 parts A to 1 part B by volume) —— | |
| Pot life at 75°F | | 5 minutes | 5 minutes |
| ***Cured Properties*** | | | |
| Initial set time at 75°F | | 30 minutes | 30 minutes |
| Full cure time at 75°F | | within 12 hours | within 12 hours |
| **Strengths** | | | |
| 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 | ASTM D-905-89 | 4,584 psi | |
| *(sheer by compressive loading)* | | *(stone failure)* | |
| **Modulus** | | | |
| 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 |
| **Elongation** | | | |
| Tensile: elongation at break | ASTM D-638 | 0.45% | 2.0% |
| Shore D hardness | ASTM D-1706 | 89 | 88 |

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