

# Touchstone™ Penetrating and Penetrating RS



**Low Viscosity  
Epoxy**

## **Penetrating** (Set time = 6-8 hrs @ 75°F)

Penetrating Epoxy is a very low viscosity penetrating epoxy, which, along with our mesh backing, will create effective reinforcement of your slab or countertop. This product penetrates the structural fissures of granite and marble and will adhere the mesh to our stone for added strength and integrity.

## **Penetrating RS (Rapid Set)** (Set time = 2 hrs @ 75°F)

Penetrating Epoxy RS is a 2-component, low viscosity product developed for laminating and thin crack repair applications. This exterior grade epoxy is clear and has a faster setup time than Penetrating Epoxy.

## **Product Information**

- Mix Ratio = 2:1 by volume
- 40% increase in strength of stone
- Very low viscosity gives good penetration
- Can be tinted using **Touchstone Liquid Tints**

## **Applications**

- Alternative to rodding countertops
- Strengthen weakened joints in stone
- Can be used around bowl cut outs for added strength
- Use with scrim/mesh for strengthening stone and slabs



## **Available In**

- Quart Kit (2 Qts A / 1 Qt B)
- Gallon Kit (2 Gal A / 1 Gal B)
- Pail Kits Available, Please call



Manufactured by Bonstone  
**TOUCHSTONE™**

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#### 4. **TECHNICAL DATA** TOUCHSTONE™ Penetrating Epoxy

##### Values

##### Test Methods

##### Typical Mixed Properties:

**Mix Ratio:** Two parts A to one part B, by volume

**Viscosity, mixed, 75°F:** 250 centipoise

**Pot Life at 75°F:** 40 minutes

##### Typical Cured Properties:

(Cured seven days at 75°F)

**Initial set time at 75°F:** 6-8 hours

**Full cure time at 75°F:** within 24 hours

**Shore D hardness:** 78 ASTM D-2240

**Tensile Strength:** 5,869 psi ASTM D-638

**Tensile Modulus:** 464,521 psi ASTM D-638

**Tensile Elongation at break:** 1.5 % ASTM D-638

**Flexural Strength :** 12,442 psi ASTM D-790

**Flexural Modulus:** 464,751 psi ASTM D-790

**Compressive Strength:** 9,204 psi ASTM D-695

**Compressive Modulus:** 186,455 psi ASTM D-695

#### 4. **TECHNICAL DATA** TOUCHSTONE™ Penetrating RS Epoxy

##### Values

##### Test Methods

##### Typical Mixed Properties:

|                         |                                      |
|-------------------------|--------------------------------------|
| Mix Ratio:              | Two parts A to one part B, by volume |
| Viscosity, mixed, 75°F: | 700 centipoise                       |
| Pot Life at 75°F:       | 12 minutes                           |

##### Typical Cured Properties:

(Cured seven days at 75°F)

|                           |                 |
|---------------------------|-----------------|
| Initial set time at 75°F: | 1-2 hours       |
| Full cure time at 75°F:   | within 24 hours |

|                   |    |             |
|-------------------|----|-------------|
| Shore D hardness: | 88 | ASTM D-2240 |
|-------------------|----|-------------|

|                   |           |            |
|-------------------|-----------|------------|
| Tensile Strength: | 9,208 psi | ASTM D-638 |
|-------------------|-----------|------------|

|                  |             |            |
|------------------|-------------|------------|
| Tensile Modulus: | 557,055 psi | ASTM D-638 |
|------------------|-------------|------------|

|                              |       |            |
|------------------------------|-------|------------|
| Tensile Elongation at break: | 2.3 % | ASTM D-638 |
|------------------------------|-------|------------|

|                     |            |            |
|---------------------|------------|------------|
| Flexural Strength : | 13,733 psi | ASTM D-790 |
|---------------------|------------|------------|

|                   |             |            |
|-------------------|-------------|------------|
| Flexural Modulus: | 422,518 psi | ASTM D-790 |
|-------------------|-------------|------------|

|                       |            |            |
|-----------------------|------------|------------|
| Compressive Strength: | 14,840 psi | ASTM D-695 |
|-----------------------|------------|------------|

|                      |             |            |
|----------------------|-------------|------------|
| Compressive Modulus: | 186,455 psi | ASTM D-695 |
|----------------------|-------------|------------|

|                           |        |
|---------------------------|--------|
| 24 hour water absorption: | 0.21 % |
|---------------------------|--------|

|                              |           |               |
|------------------------------|-----------|---------------|
| Shear -academy black granite | 4,128 psi | ASTM D-905-89 |
|------------------------------|-----------|---------------|

(Shear by compressive loading)