Touchstone™ Penetrating and Penetrating RS

ZERO VOC

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.

Available In

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

Product Information

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

Applications

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

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)		