



# Epoxy.com Product #303

## 100% Solids Extra Low Viscosity Resin

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### **DESCRIPTION**

Epoxy.com Product #303 is a two component, 100% solids, moisture insensitive epoxy resin system, mixed at a 2:1 ratio, with a viscosity of light-weight oil. Product #303 exceeds the requirements of ASTM C 881 87, Types I, II, Grade 1, Class "B" and "C". Use neat for grouting damp and dry cracks or as a penetrating sealer on concrete, and wood. May also be mixed with Epoxy.com Special Fillers (Products #72-75), to create epoxy mortars.

### **ADVANTAGES**

Low viscosity permits easy flow crack grouting by gravity feed or pressure injection.  
May be injected below water.  
May be used in temperatures as low as 40°F (4°C).  
High strengths.

### **APPLICATION PROCEDURES**

#### **Surface Preparation**

Surface must be clean and sound. Interfaces of cracks must be free of dirt, laitance, grease, curing compounds and other foreign matter. Flushing with water through ports under pressure may be necessary prior to epoxy injection. Cracks may be damp or wet.

#### **Mixing**

Temperature of Epoxy.com Product #303 must be 40°F or above at time of mixing. Stir each component separately before blending. Mix two parts by volume of Part A with one part by volume of B for three minutes with a low speed electric drill motor equipped with a mixing paddle.

#### **Application**

**PRESSURE INJECTION:** Set ports at intervals that approximately equal the thickness of the member to be injected in inches. Ports may need to be placed closer together for very fine cracks, or may be slightly further for wider cracks. Seal between and around each port with Epoxy.com Product #5, or #6. Inject Product #303 from an epoxy injection machine or binary hand or pneumatic injection gun. For more information, consult Epoxy.com technical service department.

**PENETRATING SEALER:** Apply mixed material with rubber squeegee or roller, Allow time to penetrate. Squeegee off excess while still liquid.

**PATCHING:** Apply neat Epoxy.com Product #303 to prime clean sound substrate. Mix blended epoxy with Product 72, 73, 74 or 75 Filler and trowel in place.

**ANCHOR BOLT GROUTING:** Diameter of hole should be minimum of 1/2" larger than that of bolt.

**Yield**

One gallon of mixed Product #303 will yield approximately:  
 750 Cu. in. when mixed w/3 gallons Product # 75 - very pourable  
 925 Cu. in. when mixed w/4 gallons Product #75- self-leveling  
 1100 Cu. in. when mixed w/5 gallons Product #75 - masonry mortar

**Limitations**

Minimum substrate temperature must be 40° degrees F. Do not thin.

**CLEANING**

All tools and equipment should be cleaned before the system gels. Use methyl ethyl ketone or any lacquer solvent.

**SPECIFICATIONS**

Color	Component A - Light Straw Component B - Clear Mixed - Clear (transparent)	
Viscosity	300 ?50 cps (mixed) "A" component 500cps (average) "B" component 80cps (average)	
Pot Life (neat)	30 ?5 mm. @ 75°F (24°C)	
Tack-Free (thin film)	5 hrs. ?30 min. @ 75°F 24°C)	
Final Cure (75%)	3 days @ 75°F (24°C)	
Ultimate Strength	7 days @ 75°F (24°C)	
Compressive Strength ASTM D 695 7 day	10,000 ? 1,000 p.s.i @ 75°F (24°C)	
Tensile Strength ASTM D 638	5,000 p.s.i	
Final Cure, ASTM C 109 (with 4 parts Product #75)	<u>3 DAYS</u> 8,000 p.s.i	<u>14 DAYS</u> 10,000 p.s.i
Tensile, ASTM C 190	1,800 p.s.i @ 24 hours	
Modulus of Elasticity (with 4 parts Product #75)	2.2 X 10 <sup>6</sup>	
Shelf Life	2 years	

## **CAUTION:**

Do not thin Epoxy.com Product #303 solvents will prevent proper cure. Do not use for bonding new concrete to plastic concrete, use Product #7. Substrate temperature and ambient temperature must not be below 40°F (4°C). Exposure to elevated temperatures for prolonged periods is not recommended.

## **SAFETY PRECAUTIONS**

For industrial use only. Keep away from children. Refer to the Material Health and Safety Data Sheets (MSDS forms) pertaining to this product before using. Avoid contact with skin or eyes. The wearing safety glasses with side shields and impervious gloves is recommended.

## **WARNING STATEMENT**

**WARNING!** A Component contains epoxy resin. **DANGER!** B Component contains alkaline amines; strong sensitizer. May cause skin sensitization or other allergic responses. use with good ventilation, particularly if material is heated or sprayed. Prevent all contact with skin or eyes. Wear protective clothing, goggles, gloves and/or barrier creams. Keep container closed when not in use. Wash thoroughly after handling.

**FIRST AID:** In case of skin contact, immediately wash with soap and water. in case of eye contact, flush eyes with copious amounts of water for at least fifteen (15) minutes. Remove contaminated clothing shoes. If irritation persists, seek medical attention. Wash clothing before reuse.

## **FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN**

For more information please contact:

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