



# Epoxy.com Product #302

## 100% Solids Low Viscosity Injection Resin

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### **DESCRIPTION**

Epoxy.com Product #302 is a 100% solids low viscosity moisture insensitive epoxy adhesive used to restore cracked structural concrete by the pressure injection method and to grout cracks in a horizontal plane by gravity.

### **ADVANTAGES**

Moisture insensitive  
Low viscosity ? exceptional flow characteristics  
High modulus for superior strength

### **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 #302 must be 40 degrees 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**

For 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 #302 from an epoxy injection machine or binary hand or pneumatic injection gun. For more information, consult Epoxy.com technical service department.

#### **Limitations**

Minimum substrate temperature must be 40? degrees F.

## **CLEANING**

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

## **SPECIFICATIONS**

Certified ASTM C-881 Types I, II, IV & V. Grade 1, Class B & C.

<b>APPLICATION PROPERTIES @ 77°F.</b>	
Mix Ratio	2:1 by Volume
Color	Light straw
Viscosity Mixed - ASTM D-2393	800 cps
Initial Cure	24 hours
Final Cure	7 days
Packaging	gallons, pails, drums

<b>PHYSICAL PROPERTIES</b>	
Concrete Bond Strength- Slant Shear (ASTM C-882)	2,280 p.s.i 19.3 MPA (hard to hard)
Flexural Strength (ASTM D-790)	12,000 p.s.i 82.7 MPA
Tensile Strength (ASTM D-638)	8,000 p.s.i 55.2 MPA
Compressive Strength (ASTM D-695)	11,000 p.s.i 75.8 MPA
Compressive Yield Strength	12,000 p.s.i 82.7 MPA
Tensile Modulus of Elasticity	480,000 ! 5% 3312.9 MPA

## **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. In the event of any eye splash or contact, immediately flush with cold water for 15 minutes and contact a physician. If skin contact occurs, wash with mild soap and water. The wearing safety glasses with side shields and impervious gloves is recommended.

## **WARNING STATEMENT**

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

**FIRST AID:** In case of contact, immediately wash with soap and water. In case of eye contact, flush with large amounts of water for at least 15 minutes. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention

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

For more information please contact:

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