

- [Home](#)
- [Product Catalog](#)
- [About Us](#)
- [Adhesives](#)
- [Chemical Resistant](#)
- [Epoxy Coatings](#)
- [Flooring](#)
- [Installation](#)
- [Joints](#)
- [Mortars & Grouts](#)
- [Primers & Sealers](#)
- [Specifier's Info](#)
- [Structural](#)
- [Waterproofing](#)
- [MSDS & Tech Data](#)
- [Ordering Info](#)

The Right Product for the Right Job Since 1980



[\[Contact Us\]](#)

100% Solids Low Viscosity Low Mod Injection Resin

Epoxy.com Product #301

DESCRIPTION

Epoxy.com Product #301 is a 100% solids low viscosity 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 Strength

APPLICATION PROCEDURES

Surface Preparation for Epoxy

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.

Epoxy Mixing Directions

Temperature of Epoxy.com™ Product #301 must be 40°F. or above at time of mixing. Stir each component separately before blending. Best if used in an automatic binary mixing system. If mixed manually 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 Epoxy Injection Resin

For pressure injection set ports at intervals that approximately equal the thickness of the member to be injected in inches. Ports may need to place 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 #301 from an epoxy injection machine or binary hand or pneumatic injection gun. For more information consult Epoxy.com™ technical service department.

Limitations of Epoxy Injection Resin

Minimum substrate temperature must be 40° F.

Cleaning Epoxy Injection Resin from Tools

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

Specifications

Meets ASTM C-881 Type III, Grade 1 Class B and C std. spec.

Mix Ratio	2:1 By Volume
Viscosity	400-450 cps
Initial Cure	6 - 8 hours (with normal cure hardener)
Recoat (coating system)	10-12 hours (regular cure) :4-6 hours (fast cure)
Final Cure	24 hours
Potlife	30-40 minute (with regular cure hardner)
Packaging (unit size)	3 gal unit, 15 gal unit, 165 gallon unit
Standard Colors	clear
Colors	Clear - Can be pigmented at an additional charge to make it easier to see when pumping.

Elongation (ASTM D-638)	Greater than 10%
-------------------------	------------------

Compressive Strength (ASTM D-695)	10,000 PSI (min)
Tensile Strength (ASTM D-790)	3,500 PSI
Concrete Bond Strength (ASTM C-882)	2,290 PSI
Shrinkage (ASTM C-883)	Passed Test
Thermal Compatibility (ASTM C-884)	Passed Test
Adhesion to Concrete (ACI Committee 403)	250 PSI (concrete fails)

Proper mixing and installation is critical to the optimal success of all products. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

Epoxy.com
A Division of [Epoxy Systems, Inc](#)
A Vermont Corporation
USA

We have products that have passed the test of time as well as the best new [Systems](#) available today.

Since 1980 - 40 years of the highest quality products

Hours: 9AM-4PM Eastern Time (6AM-1PM Pacific Time)

Closed for lunch from 12Noon to 1PM

321-206-1833 Customer Service - Ordering and Order Status
Katey Lambert-Fontaine, VP - Chief Operations Officer
sales@epoxy.com

Technical Support
352-533-2167 Norm Lambert, President - Technical Support Director
info@epoxy.com

352-489-1666 Accounting and Administration
Debby Lambert, CEO, and CFO Debby Lambert, CEO, and CFO

352-489-1625 Fax line to all Departments

Copyright © 1994-2022 (providing online information about the right product for the right job for over 25 years) [EPOXY.COM](#) a division of [Epoxy Systems, Inc.](#) - Florida and Vermont. All rights reserved.



We accept MasterCard, Visa, American Express, Discover, or Wire Transfers.

>

[Home](#)

[Sales Terms](#)

[MSDS &Tech Data](#)

[Online Ordering Authorization Form](#)

[Add this page to Favorites](#)

[Secure Login](#)