

Prime
Flex

Prime
Rez

Prime
Gel

Prime
Bond

Prime
Coat

Joint
Shield

PRIME REZ™ 1000 HIGH MOD

High Strength Epoxy Injection Resin

ADVANTAGES:

- High Compressive, Bond, Tensile and Flexural Strengths.
- Low Viscosity.
- Good Chemical Resistance.

CONFORMS TO:

- ASTM C-881 Type I, II, IV AND V, Grade 1, Class B and C
- USDA Approved

PACKAGING:

- 1-1/2 Gallon
- 3 Gallon Units
- 15 Gallon Units
- 2:1 "Quick Mix" Cartridges - Case of 10

PHYSICAL PROPERTIES:

Physical Properties 73° F- Liquid

Viscosity 250-350 cps
Color Amber (clear)

Pot Life	100 Grams	1 Gallon	20 mils
90° F	10 min	3 min	1 hr 30 min
73° F	24 min	19 min	6 hrs
50° F	40 min	33 min	7 hrs

DESCRIPTION AND USES:

Detailed Description

Low viscosity, high strength, high modulus epoxy resin originally designed to be injected into structural cracks in concrete, masonry, or stone. May also be used as a general purpose epoxy adhesive.

Technical Description

Two Component, 100% solids, low viscosity, multi-purpose epoxy resin.

Uses

- Pressure injection of cracks in concrete, masonry, stone, and wood.
- Gravity feed of cracks in horizontal surfaces.
- Grouting of dowel bars, bolts, pins, etc.

Typical Structures

Concrete walls and floors. Parking decks, dams, bridges, retaining walls, foundation walls, etc.

TEST DATA:

Compressive Strength	ASTM D-695	13,300
Compressive Modulus of Elasticity	ASTM D-695	293,000
Tensile Strength	ASTM D-638	7,250
Tensile Modulus of Elasticity	ASTM D-638	425,000
Tensile Elongation	ASTM D-638	1.7%
Bond Strength (Dry Cure) - 2 Day	ASTM C-882	3,380
Bond Strength (Dry Cure) - 14 Day	ASTM C-882	3,530
Flexural Strength	ASTM D-790	12,360
Shore Hardness	D Scale	85 D
Heat Deflection	ASTM D-648	1160 F
Water Absorption	ASTM D-570	1%

COVERAGE:

231 cubic inches per gallon

GENERAL GUIDELINES:

- Material Preparation:** Store material overnight to precondition to 70°-80° F prior to use.
- Mix Ratio:** A:B = 2:1 by volume
- Mixing Procedures:** **Manual Mixing:** Pre-mix each component prior to combining. Only mix the amount of material that can be used within the pot life. Thoroughly mix materials using a low speed drill with a mixing paddle. Scrape the sides and bottom of the pail while mixing. Note: Larger batches exotherm and set up faster than small batches.
- Pump Application:** This product is ideally suited for use with a two component injection pump or "Quick Mix" cartridge system.
- Surface Preparation:** Surfaces must be clean and free of any dust, oil, grease, curing compounds, or any other contaminants. Mechanical or blast cleaning is recommended whenever possible.
- How To Use:** Precondition material to room temperature prior to use. For more info, see www.primeresins.com/primepractices.php
- Accessory Products:** Prime Gel 2000, 2100, or 2500 Surface Seal, Injection Ports
- Personal Protection:** "B" Component contains amines and may cause severe burns upon skin contact for any length of time. Wear Safety Glasses, gloves, avoid skin contact, do not ingest, for professional use only, see Material Safety Data Sheet.
- Cleanup:** Clean off of skin with soap and water immediately.
- Environmental Protection:** Cured material is environmentally safe. Dispose of in approved landfill. Clean up any spilled liquid material and dispose of according to local, state, and federal guidelines.
- First Aid:** **Eye Contact:** Immediately flush with large amounts of water. Seek medical attention. **Inhalation:** Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. **Ingestion:** Seek medical attention immediately. **Skin Contact:** Wipe off contaminated area and wash with soap and water.
- Limitations:** Cold temperatures will slow down reaction time and increase viscosity. Do not use below 32° F as ice crystals in the concrete will inhibit bond. Material that is off ratio or not mixed thoroughly will not cure to full strength and may remain tacky indefinitely.
- Warranty:** Prime Resins warrants its products to be free from manufacturing defects and that products meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins will not be liable for damages of any sort resulting from any claimed breach of warranty. Prime Resins' liability under this warranty is limited to replacement of material or refund of sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.
- Storage:** Store in dry environment between 40° and 80° F. Do not allow product to freeze. Shelf Life: 12 months from date of manufacture in unopened containers properly stored. Protect from moisture.
- Shipping Information:** Shipping Class: Motor Freight Class 60
Hazard Classification: ORM-D
- Manufacturer Information:** This product is manufactured by Prime Resins under strict quality assurance practices at our Conyers, GA facility.



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