

Prime  
Flex

Prime  
Rez

Prime  
Gel

Prime  
Bond

Prime  
Coat

Joint  
Shield

Prime  
Guard

Prime  
Patch

# PRIME REZ™ 1600 INJECTION GEL

## Flowable Gel Epoxy Injection Resin

### ADVANTAGES:

- Easily flows into cracks from 1/4" to 1" wide Extremely Low Viscosity.
- Higher Compressive, Tensile, and Bond Strengths than Concrete
- Moisture Insensitive.

### CONFORMS TO:

- ASTM C-881 Type I and II, Grade 3, Class B and C
- USDA Approved

### PACKAGING:

- 1:1 "Quick Mix" Cartridges - Case of 10

### PHYSICAL PROPERTIES:

#### Physical Properties 73° F- Liquid

Consistency Flowable Gel  
Color Concrete Gray

Pot Life	100 Grams	1 Gallon	20 mils
90° F	15 min	11 min	2 hr 10 min
73° F	30 min	23 min	8-12 hrs
50° F	1 hr, 15 min	1 hr	12-15 hrs

### DESCRIPTION AND USES:

#### Detailed Description

Prime Rez 1600 is a smooth flowing epoxy injection resin designed to be injected into wide cracks in concrete, masonry, or stone where the back of the crack cannot be sealed prior to injection. Prime Rez 1600 will flow while under pressure, then will stop and not flow out the back of the crack.

#### Technical Description

Two Component, 100% solids, thixotropic epoxy injection resin.

#### Uses

- Pressure injection of cracks in concrete, masonry, stone, and wood.

#### Typical Structures

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

### TEST DATA:

Compressive Strength	ASTM D-695	8,100
Compressive Modulus of Elasticity	ASTM D-695	330,000
Tensile Strength	ASTM D-638	4,900
Tensile Modulus of Elasticity	ASTM D-638	267,000
Tensile Elongation	ASTM D-638	1.8%
Bond Strength (Dry Cure) - 2 Day	ASTM C-882	2,337
Bond Strength (Dry Cure) - 14 Day	ASTM C-882	2,510
Shore Hardness	D Scale	85 D
Water Absorption	ASTM D-570	1.2%

### COVERAGE:

231 cubic inches per gallon

## GENERAL GUIDELINES:

<b>Material Preparation</b>	Store material overnight to precondition to 70°-80° F prior to use.
<b>Mix Ratio:</b>	A:B = 1:1 by volume
<b>Mix Ratio and Mixing Procedures:</b>	<b>Pump Application:</b> This product is ideally suited for use with a two component injection pump or "Quick Mix" cartridge system.
<b>Surface Preparation:</b>	Surfaces must be clean and free of any dust, oil, grease, curing compounds, or any other contaminates. Mechanical or blast cleaning is recommended whenever possible.
<b>How To Use:</b>	See "Prime Practices" for detailed application techniques. <a href="http://www.primeresins.com/primepractices.php">www.primeresins.com/primepractices.php</a>
<b>Accessory Products:</b>	Manual or Pneumatic Gun
<b>Personal Protection:</b>	"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.
<b>Cleanup:</b>	Clean off of skin with soap and water immediately.
<b>Environmental Protection:</b>	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.
<b>First Aid:</b>	<b>Eye Contact:</b> Immediately flush with large amounts of water. Seek medical attention. <b>Inhalation:</b> Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. <b>Ingestion:</b> Seek medical attention immediately. <b>Skin Contact:</b> Wipe off contaminated area and wash with soap and water.
<b>Limitations:</b>	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.
<b>Warranty:</b>	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.
<b>Storage:</b>	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.
<b>Shipping Information:</b>	Shipping Class: Motor Freight Class 60 Hazard Classification: ORM-D
<b>Manufacturer Information:</b>	This product is manufactured by Prime Resins under strict quality assurance practices at our Conyers, GA facility.



[www.primeresins.com](http://www.primeresins.com)

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