

Technical Datasheet

Prime Rez 1900 Long Pot Life



Long pot life, super low viscosity epoxy injection resin

Description

Prime Rez 1900 LPL is a two-component, 100% solids, long pot life, super low viscosity epoxy injection resin for structural repair. It is designed to be injected or gravity fed into structural cracks exhibiting minor movement or subject to shock and vibration.

Primary Applications

- Pressure injection of cracks in concrete, masonry, stone and wood
- Gravity feed of cracks in horizontal surfaces
- Priming or sealing concrete surfaces
- Concrete walls and floors
- Parking decks
- Dams
- Bridges
- Retaining walls
- Foundation walls, etc.

Advantages

- Extremely low viscosity
- Long pot life
- Moisture insensitive
- Good chemical resistance
- Can be injected with a single-component pump

Packaging

- 1—1/2 gallon units
- 3 gallon units
- 15 gallon units
- 2:1 Quick Mix cartridges—case of 10

Technical information:

Physical properties at 73°F (23°C) - Liquid
 Properties will vary depending upon site conditions, application method, mixing method and equipment, material temperature, and curing conditions.

Solids content: 100% solids, no VOCs

Consistency: Viscosity= 85-95 centipoise

Color: Amber (clear)

Pot Life	100 Grams	32 oz	48 oz	1 gallon	20 mils
90°F (32°C)	-	-	25 min	-	-
73°F (23°C)	65 min	40 min	-	35 min	18 - 21 hrs

Test results		
Compressive strength	9,800	ASTM D-695
Tensile strength	5,000	ASTM D-638
Tensile elongation	14%	ASTM D-638
Shore hardness	85 D	D scale
Water absorption	1.1%	ASTM D-570
Coverage	231 cubic inches/gallon	



Accessory Products

- Prime Gel 2000
- Prime Gel 2500 or 2800
- Prime Gel 2100
- Surface seal
- Injection ports

Directions For Use

Mixing Ratio: A:B 2:1 by volume

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.

Material Preparation: Store material to precondition to 65 - 85° (18 - 29°C) prior to use.

Limitations: Cold temperatures will slow down reaction time and increase viscosity. Do not use below 40°F (4°C) 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.

Storage & Clean Up

Storage: Store in dry environment between 40 and 80°F (4 and 27°C). Do not allow to freeze. Shelf Life: 1 year from date of manufacture in unopened containers properly stored. Protect from moisture.

Clean Up: Clean off skin with soap and water immediately.

Environmental Protection

Cured material is environmentally safe. Dispose of in according to appropriate regulations. Clean up any spilled catalyzed liquid material and dispose of according to local, state and federal regulations.

Shipping

Shipping Class: Motor Freight Class 60

Hazard Classification: ORM-D

Health & Safety

Safety: "B" component contains amines and may cause severe burns upon skin contact for any length of time. Use OSHA-approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/ procedures if applicable. Avoid skin contact; do not ingest. See SDS for complete safety precautions. For professional use only .

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 immediately.

Manufacturing

Products are manufactured by Prime Resins, Inc. in the U.S.A. under strict quality assurance practices at our Conyers, GA plant.

Warranty & Disclaimer

Prime Resins, Inc. 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, Inc. are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins, Inc. 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.