

DESCRIPTION

Prime Rez 1200 is a two-component, extremely low viscosity epoxy resin designed to be injected into cracks in concrete, masonry or stone that are subject to shock or vibration.

TYPICAL AREAS OF USE

- Concrete walls and floors
- Parking decks
- Dams
- Bridges
- Retaining walls
- Foundation walls, etc.

ADVANTAGES

- High compressive, bond, tensile and flexural strengths
- Extremely low viscosity
- Good chemical resistance

ACCESSORY PRODUCTS

- Prime Gel 2000
- Prime Gel 2100
- Prime Gel 2500
- Surface Seal
- Injection ports

PHYSICAL PROPERTIES

Physical properties - 73°F (23°C) - Liquid

Solids content viscosity: 70-90 centipoise
Color Amber (clear)

Pot Life	100 Grams	1 Gallon	20 Mils
90°F (32°C)	15 min	11 min	2 hr 10 min
73°F (23°C)	30 min	23 min	8-12 hrs
50°F (10°C)	1 hr 15 min	1 hour	12-15 hrs

Test Data

Compressive strength	ASTM D-695	6,120
Compressive modulus of elasticity	ASTM D-695	139,000
Tensile strength	ASTM D-638	4,230
Tensile modulus of elasticity	ASTM D-638	147,000
Tensile elongation	ASTM D-638	35.0%
Bond strength (dry cure) -2 day	ASTM C-882	1,940
Bond strength (dry cure) -14 day	ASTM C-882	2,900
Flexural yield	ASTM D-790	2,760
Shore hardness	D scale	70 D
Water absorption	ASTM D-570	1.5%

PACKAGING

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

MIX 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

Pre-condition material to 70-80°F (21-27°C).

LIMITATIONS

Cold temperatures will slow down reaction time and increase viscosity. Do not use below 32°F (0°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.

CLEANUP

Clean off of skin with soap and water immediately.

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.

STORAGE

Store in dry environment between 40° and 80°F (4-27°C). 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

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.

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.

MANUFACTURING INFORMATION

This product is manufactured by Prime Resins 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.