

Technical Datasheet



Prime Rez 1450 LV

Description

High strength, two component epoxy designed for structural bonding / filling of wide cracks and void filling. Use to bond different materials such as concrete, steel, wood, and to each other (examples: concrete to steel, steel to wood and concrete to concrete).

Advantages

- High compressive strength
- Easy to mix 2:1 (A:B) mix ratio (by volume)
- Can be batch mixed and injected or poured
- Low viscosity for penetration into narrow gaps or cavities
- Moisture insensitive

Packaging

- 3 gallon units • 15 gallon units (two, 5-gallon pails of "A" and one, 5-gallon pail of "B")
- 150 gallon units (two drums "A" and one drum "B") • 825 gallon units (two "A" and one "B" tote)

Technical information

Properties will vary depending upon site conditions, application method, mixing method and equipment, material temperature, and curing conditions.

Color: Black

Pot Life	100g mass	Mixed Viscosity	
72°F (22°C)	5.5 hours	535 cps	ASTM D2196

Test Results		
Compressive strength *	11,340 psi (78 MPa)	ASTM D695
Compressive modulus of elasticity *	320,000 psi (2,200 MPa)	
Hardness	80 Shore D	ASTM D2240
Water absorption	< 0.1%	ASTM D570
Heat deflection temperature	136.4°F	ASTM D648

*

Tested at a cure schedule of 48 hours at 72°F followed by 24 hours at 175°F

Directions For Use

Mixing Ratio: A:B 2:1 by volume

Manual Mixing: Only mix the amount of material that can be used within the pot life. To prevent bubble formation, avoid introduction of air into mixed material by controlling drill speed and mixing method. Thoroughly mix materials using a low speed drill with a mixing paddle. Scrape sides & bottom of pail while mixing. Note: Large batches exotherm & set up faster than small batches.

Material Preparation: Store material overnight to precondition to 70-80°F (21- 27°C) prior to use. Pre-mix each component prior to combining. Failure to properly pre-mix will result in uncured or improperly cured material.

Limitations: Cold temperatures will slow down reaction time and increase viscosity. Do not use below 40°F (4°C). Material that is off ratio or not mixed thoroughly will not cure to full strength.

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Storage & Clean Up

Storage: Store in dry environment between 40 and 80°F (4 and 27°C). Do not allow to freeze.

Best If Used By: 2 years from date of manufacture in unopened containers properly stored. Protect from moisture.

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

Environmental Protection

Dispose of in accordance to appropriate federal, state and local regulations.

Shipping

Shipping Class: Motor Freight Class 60
Hazard Classification: Class 8

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. Refer to SDS for detailed first aid information.

Warranty & Disclaimer

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