



# Prime Rez 1100 High Mod LV

## DESCRIPTION:

PRIME REZ 1100 HIGH MOD LV is a two component, 100% solids, extra low viscosity resin designed to be injected into hairline cracks in concrete.

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## USES:

Injection of cracks in concrete, masonry, and wood.  
Gravity feed of cracks in horizontal surfaces.

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## ADVANTAGES:

Low Viscosity  
High Strengths  
Moisture Insensitive (may be injected underwater)  
Excellent Bond Strengths  
Good Chemical Resistance  
USDA Approved

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## CONFORMS TO:

ASTM C-881  
Type I, II  
Grade 1  
Class B & C

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## PACKAGING:

1.5 Gallon Units  
3 Gallon Units  
15 Gallon Units  
16.5 Ounce "Quick Mix" Cartridges

**PHYSICAL PROPERTIES AT 77° F (25° C)**

MIX RATIO A:B	2:1 By Volume		
VISCOSITY	140-160 c.p.s.		
COLOR	AMBER (CLEAR)		
<b>POT LIFE</b>	<b>100 gram</b>	<b>1 gallon</b>	<b>20 mils</b>
<b>90° F (32° C)</b>	15 min	8 min	1 hr 45 min
<b>73° F (23° C)</b>	29 min	22 min	8-12 hrs
<b>50° F (10° C)</b>	1 hr 12 min	41 min	10-20 hrs
COVERAGE	231 cubic inches per gallon		

**TEST DATA (STRENGTHS REPORTED IN P.S.I.)**

COMPRESSIVE STRENGTH	ASTM D-695	8540
COMPRESSIVE MOE	ASTM D-695	1.88 x 10 <sup>5</sup>
TENSILE STRENGTH	ASTM D-638	5110
TENSILE MOE	ASTM D-638	2.39 x 10 <sup>5</sup>
BOND STRENGTH	2 DAY 14 DAY	ASTM C-882 DRY
		2,627 3,250
ELONGATION	ASTM D-638	6.4%
SHORE HARDNESS	D SCALE	85
WATER ABSORPTION	ASTM D-570	1.1%

## APPLICATION TECHNIQUES:

**MATERIAL CONDITIONING:** Pre condition materials 65° - 85° F (19° - 30° C) before using.

**SURFACE PREPARATION:** Surface must be clean and free of any dust, oil, grease, laitance, curing compounds, or any other contaminants. This should be achieved by sandblasting, waterblasting, or some mechanical means.

**MIXING CONSIDERATIONS:** Pre mix each component. Measure exactly 2 parts "A" to 1 part "B" by volume into a clean pail. Only mix the amount of material that can be used within the pot life. Mix epoxy for three minutes using a low speed drill with a mixing paddle (never mix by hand). Scrape the sides and bottom of the pail while mixing.

**NOTE:** Large batches of epoxy will set up much faster than small batches.

## INSTALLING MATERIAL:

**PRESSURE INJECTION** - Two component pumps or "Quick Mix" cartridges are recommended. Set porting system that is appropriate for injection equipment. Use Prime Gel 2000 or 2100 to surface seal the cracks. Always start at one end of the crack and work your way to the other end. Allow air to vent out of sequential injection ports. Cracks should remain pressurized after injection is completed.

**NOTE:** It is beneficial to flush cracks out with water to remove dust and contaminants before injecting epoxy. The water should be blown out by injecting oil free air into the injection ports.

**GRAVITY FEED CRACKS** - Surface seal the bottom side of the structure with Prime Gel 2000 or 2100 if necessary. Route a vee-notch in the crack using a grinder with a masonry disc. Pour neat Prime Rez 1100 into the vee-notch. Continue until the crack is completely full.

**LIMITATIONS:** Do not use solvents to thin.  
Minimum application temperature is 40° F (5° C).  
Minimum age of concrete must be 28 days.  
For injection of cracks over ¼" wide, consult technical service department.

**STORAGE:** We recommend storage in a dry environment at temperatures between 40° to 90° F (4° to 32° C). Ideally, storage temperature should be at 65° to 75° F (18° to 24° C). Temperatures below 60° F (16° C) will cause epoxy to thicken making it difficult to properly blend the components. Under proper conditions, the shelf life is twelve (12) months in unopened, damage-free containers.

**PROTECT FROM MOISTURE. DO NOT ALLOW PRODUCT TO FREEZE.**

**WARNINGS:** "A" material may cause skin irritation. Contains epoxy resins.  
"B" material may cause severe burns on skin. Contains amines.

**FIRST AID:** **Skin Contact** - Wipe off contaminated area and wash with soap and water.  
**Eye Contact** - Immediately flush eyes with large amounts of water for 10 minutes. Get medical attention.  
**Inhalation** - Move to fresh air if symptoms occur. If breathing is difficult, get medical attention.  
**Ingestion** - If conscious give two glasses of milk or water. Get medical attention.  
**See MSDS for more information.**

**CLEAN UP:** Clean equipment with MEK or Xylene immediately after use. Clean skin with soap and water. Wash contaminated clothing before re-use.

**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.

If you have any questions or comments about any of Prime Resins products or application techniques you may contact us directly at **800-321-7212**, Monday through Friday 7:00 A.M. to 5:00 P.M. E.S.T.

TDS-1100-6/99



***"Innovations in Infrastructure Repair Technology"***

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