

Prime
Flex

Prime
Rez

Prime
Gel

Prime
Bond

Prime
Coat

Joint
Shield

Prime
Guard

Prime
Patch

PRIME FLEX™ 900 XLV

Water Activated Polyurethane Foam Injection Resin

ADVANTAGES:

- Single component.
- Extremely tough and flexible.
- Up to 600% expansion unconfined.
- Super low viscosity will penetrate tight cracks.

CONFORMS TO:

ANSI / NSF Standard 61 for contact with Drinking Water

PACKAGING:

- 1 Gallon Jugs (case of 4)
- 5 Gallon Pail
- 2:1 "Quick Mix" Cartridge (case of 10)
- 10 oz "Single Shot" Cartridge (case of 20)

Packaged under a dry nitrogen blanket.

DESCRIPTION AND USES:

Detailed Description

Prime Flex 900 XLV is a thin liquid resin that reacts with water and expands to form a closed cell, watertight foam. 900 XLV is used to seal actively leaking joints and cracks in concrete structures. Material is typically injected under pressure through injection ports.

Technical Description

Single component, water activated, hydrophilic, low viscosity, polyurethane injection resin.

Uses

Sealing active leaks in above or below grade concrete structures.

Hairline Cracks, Expansion Joints, Wide Cracks, Pipe Joints, Pipe Penetrations

Oil Free Oakum or Open Cell Backer Rod may be soaked in Prime Flex 900 XLV to create a watertight gasket.

Typical Structures

Water Treatment Tanks, Dams, Below Grade Concrete Walls, Tunnels, Manholes, Elevator Service Pits.

PHYSICAL PROPERTIES:

Physical Properties 73° F- Liquid

Viscosity 250-350 Centipoise.
Solids Content 88%.

Physical Properties - Cured

Tensile Strength	(ASTM D-3574)	450 p.s.i.
Tensile Elongation	(ASTM D-3574)	350%
Shrinkage	(ASTM D-1042 / D-756)	Less than 2%
Tear Resistance	(ASTM D-3574)	21 lbs / inch

These properties were based on foam cured under pressure to simulate conditions inside a confined crack. Properties will vary depending on application conditions.

Reaction Times

Initial Reaction	30 seconds
Full Rise	1 minute, 50 seconds
Full Cure	24 hours

GENERAL GUIDELINES:

- Material Preparation** Store material overnight to precondition to 70°-80° F prior to use. It is not necessary to pre-mix Prime-Flex 900 XLV prior to use.
- Mix Ratio and Mixing Procedures:** Uses available water to initiate reaction. Inject as a single component or twin stream 2 parts resin to 1 or 2 parts water.
- How To Use:** See www.primeresins.com/primepractices.php
- Accessory Products:** Eco Flush, Oakum, Injection Ports, Prime Plug, Injection Pumps
- Personal Protection:** Safety Glasses, gloves, avoid skin contact, do not ingest, for professional use only, see MSDS. For use in well ventilated areas only to keep vapor concentrations low. Use mechanical ventilation if necessary. Use self contained breathing apparatus in confined areas.
- Cleanup:** Flush injection equipment with Prime Flex Eco Flush.
Clean off of skin with soap and water.
Remove cured material by soaking in Prime Flex CGC.
- Environmental Protection:** Cured material is environmentally safe. Dispose of in approved landfill. Clean up any spilled liquid material and add a small amount of water to cure unreacted material.
- 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.
- Limitations:** Cold temperatures will slow down reaction time and increase viscosity. pH below 3 or above 10 may adversely affect foam properties.
- 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.
- Storage:** Store in dry environment between 40° and 80° F.
Shelf Life: 18 months from date of manufacture in unopened containers properly stored.
- Shipping Information:** Shipping Class: Motor Freight Class 60
Hazard Classification: Non Hazardous
- Manufacturer Information:** This product is manufactured by Prime Resins under strict quality assurance practices at our Conyers, GA plant.



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