



AP Seal 500

Hydrophilic closed cell polyurethane foam injection resin.

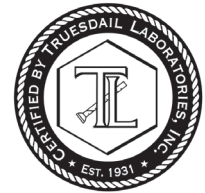
Description Single component, low viscosity, flexible hydrophilic polyurethane foam injection resin.

Applications

- Sealing cracks in concrete structures through pressure injection.
- Sealing hairline cracks, expansion joints, wide cracks, pipe joints, pipe penetrations.
- Saturating dry oakum to create a flexible gasket for sealing pipe penetrations, joints and larger defects in concrete structures.

Advantages

- No catalyst required.
- Tenacious bond to wet concrete.
- High elongation.
- Thin enough to penetrate tight cracks.
- Moderately hydrophilic.
- Phthalate free (more environmentally friendly).
- Certified to NSF 61-5 (Approved for contact with drinking water).



Certified to NSF 61-5
Approved for Contact
with Drinking Water

Packaging 5 Gallon Pails

Physical Properties 77° F (25° C) - Liquid
Viscosity 250-350 Centipoise.

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

Material Prep Condition overnight to 70° - 80° F (21° - 26° C). Heat bands or hot water bath may be used to warm containers. Do not heat above 80 degrees F.

Mixing None required. Keep lid tightly sealed when not in use and avoid splashing water into pails.

Equipment Single component airless sprayer recommended.

Accessories AP Flush 121, AP Oakum, AP Mechanical Ports, AP Soak 130

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Personal Protection	Safety goggles, face shield, impermeable gloves, long sleeves and pants. Use in well ventilated areas. Open doors and windows. In confined areas use mechanical ventilation to keep vapor concentrations low. Prevent direct contact with skin and eyes. See MSDS.
Clean Up	Flush injection equipment with AP Flush 121 when necessary. Remove cured material from metal components by soaking in AP Soak 130. Clean off of skin with soap and water.
Environmental Protection	Cured material is chemically inert and safe to dispose of in landfill. Cleanup any spilled liquid resin and place in a suitable sealed container. Dispose of in accordance to applicable environmental regulations.
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	Low temperatures will increase viscosity making product more difficult to pump. Low temperatures or cold water will slow down the reaction time. pH of reaction water should be between 3 and 10 for optimum foam. Keep lid tightly closed.
Storage	Store between 50° - 80° F (10° - 26° C).
Handling	Keep lids on tightly to prevent moisture from entering containers. Avoid direct contact with product. Be careful when opening as pressure may build up inside containers.
Limited Warranty	Alchemy Polymers warrants this product to be free from manufacturer's defects and to meet all published properties on current Technical Data Sheet for a period of one year if used according to published instructions and within the shelf life. The user is responsible for determining suitability for intended use and assumes all risk. No other warranties expressed or implied shall apply including any warranty of merchantability or fitness for a particular purpose. Purchaser's sole remedy is limited to the purchase price or product replacement exclusive of cost of labor or other materials.
Latest Information	Before each use read latest Technical Data Sheets, Material Safety Data Sheets, and instructions available at www.alchemypolymers.com . Nothing contained in any Alchemy Polymers materials or verbal instruction relieves the user of the obligation to read and follow all usage instructions and warnings for each product contained in the latest Technical Data Sheets and Material Safety Data Sheets. All information given by Alchemy Polymers about Alchemy Polymers products and procedures is given in good faith based on our current experience level and knowledge when materials are properly stored, handled, and applied. Jobsite conditions always vary, and for this reason Alchemy Polymers assumes no liability for the provision of such information or instructions. Neither shall any legal relationship be created by the provision of such information.

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