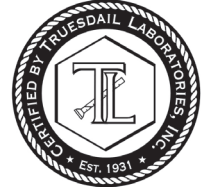




AP Soil 600

Moisture activated polyurethane soil stabilization resin.

Description	Single component, moisture activated, hydrophobic, low viscosity, polyurethane soil grout.
Applications	<ul style="list-style-type: none"> • Permeation grouting. • Stabilizing loose sand and soil. • Sinkhole remediation.
Advantages	<ul style="list-style-type: none"> • One component - no catalyst required. • Encapsulates and strengthens loose soil. • Very low viscosity for good soil penetration. • Watertight. • Phthalate free (more environmentally friendly). • Certified to NSF 61-5 (Approved for contact with drinking water).
Packaging	5 Gallon Pails, 50 Gallon Drums, 250 Gallon Totes



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

Physical Properties 77° F (25° C) - Liquid
Viscosity 25-35 Centipoise

Physical Properties - Cured

Tensile Strength	(ASTM D-3574)	175 p.s.i.
Shrinkage	(ASTM D-1042/D-756)	None
Compressive Strength - with fine sand	(ASTM D575/D695)	2,085 p.s.i.

Properties will vary depending on application conditions.

Reaction Times 73° F (23° C) with Optional Catalyst:

Catalyst	AP Cat 600	Set Time
0%	0 oz. to 5 gal.	3 hrs.
0.5%	3.2 oz. to 5 gal.	2 hrs. 30 min.
1.0%	6.4 oz. to 5 gal.	2 hrs.
1.5%	9.6 oz. to 5 gal.	1 hrs. 20 min.
2.0%	12.8 oz. to 5 gal.	55 min.
2.5%	16.0 oz. to 5 gal.	30 min.
3.0%	19.2 oz. to 5 gal.	25 min.

Material Prep	Condition overnight to 70° - 80 ° F (21° - 26 ° C). Mix material before use.
Mixing	Mix well before using. Catalyst is not required for this product. When using optional catalyst, mix with a low speed drill and mixing paddle. Pour in AP Catalyst into resin while mixing. Be careful not to whip too much air into the mixture. Wear safety glasses or goggles whenever handling or mixing chemicals. AP Cat can cause burns to skin or eyes with direct contact. Keep container covered to prevent water entry.
Equipment	Single component diaphragm pump or airless sprayer recommended.
Accessories	AP Cat 600, AP Flush 121, AP Soak 130
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.

STABILIZESOIL

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 quality. 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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