AP SOIL 600

MOISTURE ACTIVATED POLYURETHANE
SOIL STABILIZATION RESIN

TECHNICAL DATA

Description

AP SOIL 600 is a single component, moisture activated, hydrophobic, extra-low viscosity, polyurethane soil grout.

Uses

- Permeation grouting
- Stabilizing loose sand and soil
- Sinkhole remediation

Advantages

- One component - no catalyst required
- Encapsulates and strengthens loose soil
- Very low viscosity for good soil penetration
- Watertight
- Phthalate free (more environmentally friendly)
- Certified by ALS Global to NSF/ANSI/CAN 61 (approved for contact with drinking water)

AP Soil 600 Properties Cured		
Compressive Strength (Permeated in Sand)	1,300 psi or 187,000 psf (8,960 kPa)	ASTM D2166
Shear Strength (Permeated in Sand)	665 psi or 95,800 psf (4,590 kPa)	ASTM D2166
Shrinkage	Negligible	ASTM D1042/D756
Pre-Activated Mix Viscosity	38 cP (38 mPa·s)	—
Catalyst %		
0.0%	0.0 oz (0 ml)	3 hr
0.5%	3.2 oz (94 ml)	2 hr 30 min
1.0%	6.4 oz (189 ml)	2 hr
1.5%	9.6 oz (284 ml)	1 hr 20 min
2.0%	12.8 oz (379 ml)	55 min
2.5%	16.0 oz (473 ml)	30 min
3.0%	19.2 oz (568 ml)	25 min

Storage and Shelf Life
Store between 50–80°F (10°–26°C). Shelf life is 24 months in unopened containers stored within this temperature range.

Estimating Quantities
Consumption has to be assessed on site and is influenced by soil type, degree of saturation, soil compaction, target depth and diameter of treatment, and the presence of voids.

Application and Safety Precautions
When applying Alchatek polyurethane systems, always wear appropriate personal protective equipment and avoid contact with eyes and skin. Review the Safety Data Sheet at Alchatek.com before use. Pre-flush pumps with Alchatek Pump Flush to ensure moisture-free operation before injection. For permeation grouting, use lower injection pressures and longer injection times to avoid soil fracturing and grout lenses. For step-by-step procedures and typical project setups, see the Deep Lock® Soil Stabilization application guide. For safety and application guidance, contact the Alchatek Technical team.

Supplier Details
Alchatek
4508 Bibb Blvd
Tucker, GA 30084
T: (404) 618-0438

Emergency Phone Numbers
Call CHEMTREC
Day or Night
1-800-424-9300
+1 703-527-3887

Limited Warranty
Alchatek 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, Safety Data Sheets, and instructions available at Alchatek.com. Nothing contained in any Alchatek 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 Safety Data Sheets. All information given by Alchatek about Alchatek 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 Alchatek assumes no liability for the provision of such information or instructions. Neither shall any legal relationship be created by the provision of such information.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. READ MATERIAL SAFETY DATA SHEET PRIOR TO EVERY USE.

Properties will vary depending on application conditions.