





## AP Fill 700

Water activated semi-rigid polyurethane foam injection resin.

Description	Single component, water activated, hydrophobic, low viscosity, closed cell polyurethane injection resin.				
Applications	<ul> <li>Cutting off high flow leaks.</li> <li>Filling voids behind concrete structures.</li> <li>Cutting off underground water flows.</li> <li>Consolidating loose soil.</li> <li>Seawall repair.</li> </ul>				
Advantages				ified to NSF 61-5 roved for Contact n Drinking Water	
Packaging	5 Gallon Pails, 50 Gallo	n Drums, 250 Gallon	Totes		
	Physical Properties 77° Viscosity 110-130 Centipo	F (25° C) - Liquid bise.			
	<b>Physical Properties - Cu</b> Tensile Strength Tensile Elongation Shrinkage Compressive Strength (with fine sand)	(ASTM D-1623) (ASTM D-1623) (ASTM D-1042/D-756)	43 p.s.i. 2.9% ) None 2,050 p.s.	i.	
	Expansion Up to 30x expansion (free foam) Properties will vary depending on application conditions.				
	AP Cat 106 (Not recomm	nended to use below 2%)	)		
		Quantity by Volume	2%	5%	10%
	Initial Reaction	25 sec	15 sec	8 sec	
	Full Rise	1 min 50 sec	1 min 27 sec	30 sec	
	AP Cat 107 (Not recomm				
	Quantity by Volume	5%	7.5%	10%	
	Initial Reaction	5 sec	5 sec	5 sec	
	Full Rise	30 sec	22 sec	16 sec	
Material Prep	Condition overnight to 7 material prior to adding		. If using less	than full pail, pre-mi	
Mixing	AP Fill 700 requires cata material to be used with Pour in AP Cat while mix Wear safety glasses or g can cause burns to skin prevent water entry.	in a few hours. Use a king. Be careful not to goggles whenever han	low speed dril whip too muc dling or mixing	l with a mixing padd h air into the mixture g chemicals. AP Cat	

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Equipment	Single component airless sprayer recommended.		
Accessories	AP Cat 106 (Regular Speed), AP Cat 107 (Fast Speed), AP Flush 121		
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	<b>Eye Contact:</b> Immediately flush with large amounts of water. Seek medical attention. <b>Inhalation:</b> Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. <b>Ingestion:</b> Seek medical attention immediately. <b>Skin Contact:</b> 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. Requires catalyst.		
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.		
	FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. NOT		



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