ALCHATEK GEL REINFORCING AGENT

ACRYLIC LATEX ADDITIVE FOR
ALCHATEK AG SERIES OF ACRYLIC GELS

TECHNICAL DATA

Description

Alchatek Gel Reinforcing Agent is an acrylic latex additive used to increase the strength and flexibility of our AG series of acrylic gels.

Uses

- Soil stabilization in below grade structures when used in conjunction with the AG series of products.
- Leak Seal in below grade structures when used in conjunction with the AG series of products.

Advantages

- Improved adhesion
- Increased hydrostatic pressure resistance
- Improved resistance to wet/dry cycles
- Improved low temperature flexibility
- Minimizes hydrophilic shrinkage in dry cycling
- Solvent free
- Non toxic

Alchatek Gel Reinforcing Agent Properties			
Typical Properties	Solids content	%	~ 50.0
	pH value		~ 8.5
	Viscosity at 73.4°F (23°C)	cps	~ 100 – 350
(Brookfield RV, Spindle #1, at 20 rpm)			
Other properties of the dispersion	Density	lbs/gal	
	Bound styrene	%	
	Residual Styrene	%	
	Surface tension	nM/m	
	Average Particle size	microns	
	Dispersion type		
Properties of the film	Glass transition temperature	°C	
	(DSC)		
	Mechanical Strength*		
	Tensile strength	psi	
	Elongation at break	%	
	Surface		
	* These values permit only a rough comparison of film strengths		
Compatible with			
Polymer dispersions	Butofan® NS 144, NS 166, NS 208, Acronal® NA 217, Acronal® 3422, Styrofan® ND 593		
Thickeners	Collacral® VL, Latekoll® D and casein solutions		

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Internal Testing	
Original volume of mixed samples:	
AG200 (water B-side)	11.074 cubic inches (0.18 dm^3)
AG200 (gel reinforced)	11.074 cubic inches (0.18 dm^3)
1 Week Dry Time Comparison:	
AG200 (water B-side)	8.044 cubic inches (0.13 dm^3) (72.6% retention / 27.4% shrinkage)
AG200 (gel reinforced)	10.121 cubic inches (0.17 dm^3) (91.4% retention / 8.6% shrinkage)

Storage and Shelf Life

Store between 50° - 80° F (10° - 26° C).

Estimating Quantities

Consumption has to be assessed on site and is influenced by the amount of water leaking, thickness of the concrete.

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. Excessive foam build-up can result in degraded material properties or, in rare cases, fire, due to high internal temperatures within the material. 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.