

Advanced  
Construction  
Technologies



## Accessories

# SPETEC GEL REINFORCING AGENT

Acrylic Latex Additive for Alchatek Ag Series of Acrylic Gels

### Product Identifier

*Product Name*

SPETEC GEL REINFORCING  
AGENT

*SPETEC GEL REINFORCING AGENT is an acrylic latex additive used to increase the strength and flexibility of our AG series of acrylic gels.*

*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

### Description

SPETEC 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

### Application

#### MIX PROCEDURE

Add to B side, replacing the water with Spetec Gel Reinforcing agent up to 5 gallons (18.9 liters). Mix Spetec Gel Reinforcing Agent homogenously into the water.

#### PERFORMANCE

Performance will be influenced by site conditions. If site temperatures are low, heat the product to recommended operating temperatures of 60°F – 90°F (16°C – 32°C). Do not use open flame as a heat source. Keep from freezing.

# SPETEC GEL REINFORCING AGENT

ACRYLIC LATEX ADDITIVE FOR ALCHATEK AG SERIES  
OF ACRYLIC GELS

## CLEAN UP

User water with light detergent.

## Technical Data

### 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	ca. 8.3
	Bound styrene	%	ca. 55
	Residual Styrene	%	0.03 max
	Surface tension	nM/m	ca. 40
	Average Particle size	microns	ca. 0.25
	Dispersion type		anionic
Properties of the film	Glass transition temperature	°C	-7
	(DSC)		
	Mechanical Strength*		
	Tensile strength	psi	ca. 1000
	Elongation at break	%	ca. 430
	Surface		slightly tacky
	* 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		

### INTERNAL TESTING

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

# **SPETEC GEL REINFORCING AGENT**

ACRYLIC LATEX ADDITIVE FOR ALCHATEK AG SERIES  
OF ACRYLIC GELS

## **Packaging**

Spetec Gel Reinforcing Agent is supplied in 5 Gallon Pails (18.9 Liter Pails)

## **Storage And Safety**

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Spetec Gel Reinforcing Agent has a shelf life of six months unopened when stored properly.

Avoid contact with eyes and skin, always use personal protective equipment in compliance with local regulations. Read the relevant Safety Data Sheet before use. Safety Data Sheets are available on [Alchatek.com](http://Alchatek.com) When in doubt contact Alchatek Technical Service.