SPETEC® AG200

ULTRA LOW VISCOSITY ACRYLIC INJECTION RESIN MAINLY USED FOR CURTAIN, CRACK, AND TUBE INJECTIONS

TECHNICAL DATA

Description

Spetec® AG200 is a three-component, water-swelling hydrogel based on acrylic monomers that cures to an elastic product

Uses

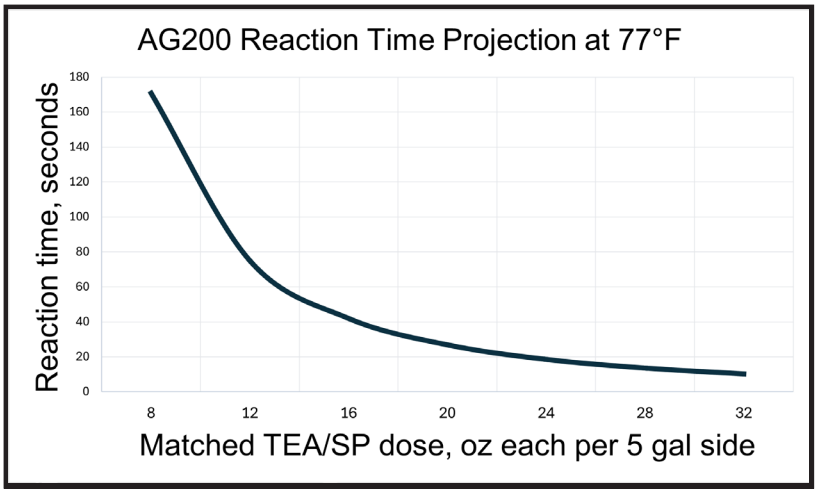
- Filling and waterproofing gravel nests in concrete
- Waterproofing underground concrete and masonry structures, such as basements and underground parking spaces
- Waterproofing cracks in rock formations
- Injection of re-injectable injection hoses
- Below grade expansion joints

Advantages

- Low shrinkage
- 6 cps mixed viscosity
- Durable in wet and dry conditions
- NSF/ANSI/CAN 61 Certified (approved for contact with drinking water)

SPETEC® AG200 Properties Uncured		
Spetec AG200		
Appearance	Amber colored liquid	-
Active content	42%	-
pH	6.5-7.0	-
Density at 68°F (20°C)	74.9 lbs/ft³ (1.2 kg/dm³)	ASTM D3505
Viscosity at 68°F (20°C)	25 cP (25 mPa·s)	ASTM D4878

SP		
Appearance	White powder	-
Active content	> 99%	-
TEA		
Appearance	Colorless liquid	-
Active content	29%	-
pH	10-12	-
Density at 68°F (20°C)	67.4 lbs/ft³ (1.08 kg/dm³)	ASTM D3505
Viscosity at 68°F (20°C)	< 300 cP (< 300 mPa·s)	ASTM D4878



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Mixture Properties		
Processing temperature	41-104°F (5-40°C)	-
Viscosity at 68°F (20°C)	6 cP (6 mPa·s)	ASTM D4878
Pot-life at 68°F	9s - 7min	DIN EN 14022
Final curing at 68°F	2s - 20min	-
Physical Properties - Cured		
Consistency	Soft-elastic	-
Color	Amber	-
E-modulus	37.7 psi (260 kPa)	DIN EN ISO 527-3
Free Rise Tensile Strength	5.80 psi (40 kPa)	DIN EN ISO 527-3
Elongation at break	510%	DIN EN ISO 527-3
Water absorption	125%	DIN EN ISO 62

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 must be assessed on site and is influenced by the amount of water leakage and the thickness of the concrete.

Application and Safety Precautions

When applying Alchatek acrylic resin 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 in confined spaces can result in high internal temperatures and expansion pressures. In large void fills, stage injections and allow cooling time between lifts. For step-by-step procedures and typical project setups, see the Crack Injection 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.