

MOUNTAIN GROUT- ACRYLATE

ACRYLATE POLYMER SYSTEM

Description

Mountain Grout Acrylate is a fast-reacting, low viscosity, acrylate polymer used to seal water leaks in concrete structures and to stabilize soils. The product utilizes environmentally safe acrylic resins in conjunction with catalysts and accelerators. The system is typically pumped at a ratio of 1:1 with the water solution when controlling active water leaks and at higher ratios with water when ultra-low viscosity is needed to penetrate fine soil particles. At a 1:1 ratio, the resulting product is a flexible elastomer. At a higher ratio of water to resin, a pliable gel results. For specific mix ratios for fine soils please contact Green Mountain International, Technical Services Department.

Typical Application

Mountain Grout Acrylate is typically used to seal any leak below grade, both in concrete structures and soils. The product is used extensively in tunnels of all types, below-grade parking garages, foundations, tanks, sewers, shafts and around large diameter pipes, cracked concrete and various failed construction joints.

Advantages

- Super-low viscosity
- Easy clean-up
- Reaction is site "adjustable"
- Economical
- Non-hazardous shipping
- Non-flammable
- Non-hazardous when cured

Typical Information

PHYSICAL PROPERTIES	
Viscosity	10-100 cps mixed
Specific gravity	1.15-1.25
Elongation	300%
Boiling point	>212°F
Freezing point	32°F
PH	6.5-7.0

SET TIME		
% of the complete solution by weight		
SP (In water solution)	TEA (In resin)	Setting Time
0.25	0.25	40 minutes
0.50	0.50	15 minutes
1.00	1.00	03 minutes
2.00	2.00	30 seconds

Packaging

Mountain Grout Acrylate is supplied in tankers, totes, and drums. The accelerator (T.E.A., in liquid form) and catalyst (S.P., in granular form) are supplied in separate plastic containers filled by weight as required.

Materials should be stored above 32°F and below 85°F in original containers at all times and must be kept separated prior to use. All equipment to pump Mountain Grout Acrylate must be designed specifically for this acrylic formulation. Use only stainless steel pumps and equipment due to the corrosive nature of the materials. Do not use aluminum components. SP and TEA components may form a toxic gas if mixed prior to field application. Follow manufacturer's instructions carefully during mixing and application. Always wear protective clothing in accordance with current OSHA requirements. Avoid skin and eye contact. Do not ingest. Do not mix SP and TEA exclusively from other components.

READ SDS AND UNDERSTAND SAFETY ISSUES PRIOR TO USE



Green Mountain International, LLC

Revised 05-27-2021

Application Equipment: Contact Green Mountain International, LLC for equipment recommendations for the particular application and conditions.

Personal Protection: Read SDS for complete details. For professional use only. Avoid breathing vapors – use in well-ventilated area only or use self-contained respiratory protection in confined spaces. Avoid skin contact – wear protective gloves. Avoid eye contact – wear eye protection. Do not ingest.

First Aid: In case of eye contact, flush with large amounts of water for 15 minutes. Get medical attention if irritation persists. For skin contact, wipe excess liquid from skin and wash with soap and water. Inhalation is not expected unless in aerosol form. Get medical attention if symptoms occur. For ingestion, do not induce vomiting unless directed to do so by a physician or poison center.

Safety Precautions: During the chemical reaction, acrylate products release heat via an exothermic reaction. When acrylate products are applied in substantial quantities, exothermic reactions may generate enough heat to cause thermal degradation of the polymer and could create a fire hazard. Avoid over catalyzing. All necessary precautions should be taken to avoid the creation of a situation in which this could occur. Contact Green Mountain International, LLC for further information.

Storage and Shelf Life: Keep in a cool, dry, well ventilated space away from heat and sunlight. Store indoors in original sealed containers at temperatures between 32°F and 85°F (0°C-30°C). Opened containers must be handled properly to prevent contamination. Shelf life is 6 months when properly stored.

Clean-Up of Spills or Leakage: With adequate ventilation and appropriate personal protective equipment, cover the spill area with absorbent material such as clay, or vermiculite and transfer to metal waste containers. Wash area with soap and water. Dispose of waste in accordance with Federal, State and local regulations.

Shipping Information: Shipping Class USDOT Class 55; USDOT Hazard Classification: Not Classified; Sea Transport (IMDG): Not Classified; Air Transport (IATA): Not Classified.

Warranty Information: Green Mountain International, LLC warrants its products against defects in manufacturing, arising within a period of six (6) months from the date of manufacture of the product(s) at issue. The sole remedy of any party for such defective products shall be the obligation of Green Mountain International, LLC to provide substitute products in an amount equal to the amount of defective products supplied. This limited warranty does not include any transportation charges or costs of installation or any liability for direct, indirect, consequential, or punitive damages or delay, whether or not the undersigned has been advised of such claims. Except for the foregoing Limited Warranty, the Products are sold “as is,” WITHOUT WARRANTY of any kind. Green Mountain International, LLC specifically disclaims all other express or implied warranties, including: i. Implied warranty of merchantability, and ii. Implied warranty of fitness for a particular purpose.

Physical Property Values: PLEASE NOTE, this Technical Data Sheet is intended as a *general guide* to provide assistance regarding typical physical characteristics of the product. However, the specific values are affected by various factors, including, but not limited to, ambient temperature, water temperature, humidity, water pH, reaction under confinement, and the presence of chemicals or debris in the reaction area. Applicators are encouraged to perform sample tests with the variables found on site to get the best possible indication of the product’s physical properties for the specific job.



Green Mountain International, LLC