MOUNTAIN GROUT- SOIL STABILIZER

POLYURETHANE SYSTEM

Description

Mountain Grout Soil Stabilizer is a very low viscosity hydrophobic polyurethane formulation designed for stabilization and waterproofing loose, granular soils. The product reacts with moisture in the soils, fills small voids and binds the soil particles to create a strong solid mass. The physical properties of the composite are a function of the soil type, degree of saturation, compaction and moisture content.

Typical Application

- Seawalls
- Excavation Sites
- Erosion Control
- Foundation Leaks
- Building Settlements
- Structural Support
- Tunnels
- Earthen Dams

Advantages

- 100 % solids
- Excellent resistance and durability
- Pumps as a single component
- Controllable reaction times
- Outstanding adhesion
- Non-hazardous shipping
- Non-flammable
- Cures inert, non-toxic permanent seal

Typical Information

Physical Properties - Liquid		
	Soil Stabilizer	**Test Method**
Viscosity	50 cps	ASTM D-4016
Specific Gravity	1.18	ASTM D-1475
Color	Amber	
Flash Point	>250ºF	ASTM D-92
Physical Properties - Cured with Sandy Soil		
Elongation	3%	ASTM D-3574
Compressive Strength	Up to 1000 psi*	ASTM D-1621
Toxicity	Non-toxic	

*Compressive strength varies depending on specific soil conditions.

Use of MG Accelerator Component

While Mountain Grout Soil Stabilizer is typically pumped as supplied, the reaction profile may be adjusted prior to pumping by the addition of Mountain Grout Accelerator into the base resin and is affected by temperature and the amount of moisture encountered. The gel time as supplied is about 15 minutes after encountering water. With the addition of 2.5 % (1 pint per five gallons) MG Accelerator, the expansion will start at 30 seconds and be complete at about 3 minutes. These reaction times were determined at 77° F with the addition of 2.5 % water.

Standard Packaging

Mountain Grout Soil Stabilizer is available in 250 gallon totes, 50 gallon drums and 5 gallon pails.

Read and understand the SDS prior to use.

Green Mountain International, LLC

www.mountaingrout.com info@mountaingrout.com (800) 942-5151

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 and get medical attention. For skin contact, wipe excess liquid from skin and wash with soap and water. If breathing is difficult, give oxygen and get medical attention.

Safety Precaution: During the chemical reaction, polyurethane products release heat via an exothermic reaction. When polyurethane products are applied in substantial quantities, exothermic reactions may generate enough heat to become a fire hazard. All necessary precautions should be taken to avoid the creation of a situation in which a fire could occur. Contact Green Mountain International, LLC for further information.

Storage and Shelf Life: Product is moisture sensitive. Store in original sealed containers at temperatures between 60°F and 90°F (15°C-32°C). Opened containers must be handled properly to prevent moisture contamination. Shelf life is 12 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. DO NOT RESEAL CONTAINER AS REACTION OF CONTAMINATED MATERIAL CAN CREATE PRESSURE. Wash area with decontamination solution (5-10 % solution of sodium carbonate). Dispose of waste in accordance with Federal, State and local regulations.

Shipping Information: Shipping Class USDOT Class 55; USDOT Hazard Classification: Non-Hazardous.

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.