MOUNTAIN GROUT- ULTRA
POLYURETHANE SYSTEM

Description

Mountain Grout Ultra is a low viscosity hydrophobic polyurethane formulation with high elongation properties for sealing leaking cracks or joints where some movement is possible. The system is comprised of a base resin along with an accelerator component. Mountain Grout Accelerator is used by the experienced installer to manipulate the reaction profile as warranted by job site conditions. Being a hydrophobic formulation, when reacted with minimal amounts of water, the resulting foam will maintain its physical form and not be subject to shrinkage due to wet/dry cycles. When injected into wet cracks, Ultra produces a closed cell foam.

Typical Application

- Water Related Facilities
- Waste Treatment Plants
- Storm Water Systems
- Underground Vaults
- Manhole Facilities
- Concrete Dams
- Tunnels
- Earthen Dams
- Elevator Pits
- Parking Garages

Advantages

- 100 % solids
- Expands up to 25 times initial volume
- Pumps as a single component
- Controllable reaction times
- Excellent resistance and durability
- Outstanding adhesion, high elongation
- Non-hazardous shipping
- Non-flammable
- Cures inert, non-toxic permanent seal

Typical Information

Physical Properties - Liquid			
	Ultra	**Accelerator**	**Test Method**
Viscosity	600-1000 cps	35 cps	ASTM D-4016
Specific Gravity	1.12	0.95	ASTM D-1475
Color	Pale Yellow	Pale Yellow	
Flash Point	>200ºF	216ºF	ASTM D-93
Physical Properties - Cured			
Elongation	300%		ASTM D-3574
Tensile Strength	4,000 psi		ASTM D-3574
Toxicity	Non-toxic		

Use of MG Accelerator Component

The reaction profile may be adjusted prior to pumping by the addition of Accelerator into the base resin and is affected by temperature and the amount of moisture encountered. At 1.25 % (1/2 pint per five gallons) the expansion will start in about 45 seconds and be complete in about 7 minutes after encountering water. At 2.5 % (1 pint per five gallons) 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 Ultra 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

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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.