

Technical Data Sheet



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.

Physical Properties		
	Liquid	Test Method
Viscosity	50 cps	ASTM D-1638
Specific Gravity	1.18	ASTM D-1475
Color	amber	
Flash point	>121°C	ASTM D-92
-----Solid-Cured with Sandy soil-----		
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Density	1282kg/m ³	ASTM D-1622
Elongation	3%	ASTM D-638
Compressive Strength 1000 psi		ASTM D-638
Toxicity	non-toxic	

Typical Applications

- Seawalls
- Excavation sites
- Erosion control
- Foundation leaks
- Building settlements
- Structural support
- Tunnels
- Earthen Dams

Advantages

- 100 % solids
- No VOC's
- Pumps as a single component
- Controllable reaction times
- Excellent resistance and durability
- Outstanding adhesion
- Non-hazardous shipping
- Non-flammable
- Cures inert, non-toxic, permanent

Use of MG Accelerator "B" Component

While Mountain Grout Soil Stabilizer is typically pumped as supplied, the reaction profile can be adjusted prior to pumping by the addition of Accelerator "B" 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 "B" the expansion will start at 30 seconds and be complete at about 3 minutes. These reaction times were determined at 25°C.



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