

Technical Data Sheet

Mountain Grout
ULTRA

Mountain Grout Ultra is a moderate 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 "B" component. The "B" 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.

Physical Properties Liquid			
	Ultra	"B" Accelerator	Test Method
Viscosity	650 cps	25cps	ASTM D-1638
Specific Gravity	1.07	0.95	ASTM D-1475
Color	pale yellow	Clear	
Flash point	>121°C	107°C	ASTM D-92
Solid-Cured			
Density	224kg/m ³		ASTM D-1622
Elongation	300%		ASTM D-638
Tensile	300 psi		ASTM D-638
Toxicity	non-toxic		

Typical Applications

- 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
- No VOC's
- Expands up to 25 times initial volume
- Pumps as a single component
- Controllable reaction times
- Excellent resistance and durability •
- Outstanding adhesion
- Non-hazardous shipping
- Non-flammable
- Cures inert, non-toxic permanent seal

Use of MG Accelerator "B" Component

The reaction profile is 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. At 1.25 % (1/2 pint per five gallons) the expansion will start in about 50 seconds and be complete in about 5 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 25°C.



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