

Technical Data Sheet



Mountain Grout HL-100 is a low viscosity hydrophobic polyurethane formulation. The system is comprised of a base resin along with an accelerator "B" component. HL-100 is typically used to repair hairline cracks in concrete structures. The system may also be used to stabilize soils. 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. HL-100 produces a closed cell polyurethane grout.

	Physical Properties Liquid		
	HL-100	"B" Accelerator	Test Method
Viscosity	100 cps	25cps	ASTM D-1638
Specific Gravity	1.15	0.95	ASTM D-1475
Color	Amber	Clear	
Flash point	218°C	107°C	ASTM D-92
-----Solid-Cured-----			
Density	64kg/m ³		ASTM D-1622
Elongation	50%		ASTM D-638
Tensile	27 psi		ASTM D-638
Shear	20 psi		ASTM C-273

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 30 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 4 minutes after encountering water. At 2.5 % (1 pint per five gallons) the expansion will start at 15 seconds and be complete at about 65 seconds. These reaction times were determined at 25°C.



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