

# Mountain Grout®

High Performance Coatings

Technical Data:

## MGP80

### Pure Urea System

**Description:** MGP80 is a sprayable, VOC free, two component, pure polyurea elastomeric coating. Its low viscosity at operational temperatures makes this product ideal for both in-plant and field applications. Unique properties of this coating are its rapid cure time and its insensitivity to moisture.

**Advantages:** Almost instant gel time, fast cure; can be handled/walked on in one minute, can be built up to any thickness in one application, seamless and flexible, applications -20°F to 300°F, resistant to thermal shock, no VOC's, USDA approved, resistant to many chemicals.

**Uses:** Containment areas, earthen containment, pipe coating, floor and wall systems, cold storage areas, waste water, tank linings, cooling tower basins, pump and paper mills, industrial plants, mechanical rooms, aquariums, fertilizer plants, bridges, manhole vaults, wet wells, dry wells, street lights, lift station waterproofing, zoo enclosures, dairy barn walls and floors, floating docks.

Typical Physical Properties	Results	Test Type
Reaction Profile Gel/Tack Free Time	6 – 20 seconds	
Tensile Strength, psi	3000	ASTM D-638
Elongation, %	800	ASTM D-638
Tear strength, pli	475	ASTM D-624
Shore D Hardness	50	ASTM D-2240
Moisture Vapor Transmission (Perms @ 30 dry mils)	0.02	ASTM E-96
Abrasion Resistance, mg (1000 g, 1000 rev, H-15) (1000 g, 1000 rev, cs 17)	170 <5	ASTM D-4080
100% Modulus, psi	1600	ASTM D-638
300% Modulus, psi	1900	ASTM D-638
Flash Point	>200°F	
Flame Spread	Class A	ASTM E-108
Flexibility Testing, in-lbs	>160	ASTM D-2794
Mandrel Bend Conical Bend (on 1/32" steel panels) ¼" Mandrel 25°C, free film 30 – 35 mils ¼" Mandrel -20°C, free film 35 – 50 mils	Pass Pass Pass	ASTM D-522 ASTM D-1737 ASTM D-1737
<b>Machine Mixing Requirements</b>	Heated Plural Component Equipment, in 1:1 ratio only, such as: H 2000, H-3000, or H-20/35 series with a GX7, sprayed at a minimum of 2000 psi and 160°F at the gun.	

**Read the Material Safety Data Sheet before using Mountain Grout products!**

**Distributed by:**

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