

Mountain Grout®

High Performance Coatings

Technical Data:

MGP25

Pure Urea System

Description: MGP25 is 100% solids, state-of-the-art, VOC-free, two-component pure polyurea elastomeric coating. This seamless system exhibits extraordinary performance characteristics. MGP25 is based on amine-terminated polyether resins, amine chain extenders and MDI prepolymers. This coating achieves an extremely tough, flexible, chemical and abuse resistant finish for a wide range of applications.

Advantages: Smoother finish, higher elongation; greater flexibility, 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, application at -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 liners, pump and paper mills, industrial plants, mechanical rooms, aquariums, fertilizer plants, petrochemical plants.

| Typical Physical Properties | Results | Test Type |
|--|----------------------|--|
| Reaction Profile Gel/Tack Free Time | 4 – 12 seconds | |
| Tensile Strength, psi | 2500 | ASTM D-638 |
| Elongation, % | 250 | ASTM D-638 |
| Tear strength, pli | 450 | ASTM D-624 |
| Shore D Hardness | 51 | 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) | 230 6 | ASTM D-4080 |
| 100% Modulus, psi | 1600 – 2100 | 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 |
| Machine Mixing Requirements | | |
| Heated Plural Component Equipment, in 1:1 ratio only, such as: H 2000, H-3500, 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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