AV-202® MULTIGROUT

HYDROPHILIC POLYURETHANE FOAM

DESCRIPTION
AV-202 Multigrout is a single component, moisture activated MDI/TDI blended polyurethane injection resin. Designed for sealing active water leaks in large cracks or joints in concrete structures, it can absorb up to 12 times its volume in water creating a tough, impermeable foam or gel with superb adhesive qualities. Certified for use in potable water.

APPLICATION
- Large cracks or joints in concrete, or used in conjunction with AV-215 Resin Rod™ or AV-219 Fibrotite™ (oakum) systems
- Designed for applications where high volume water flow is an active or potential problem and a high viscosity chemistry is required
- Used successfully in manhole sealing and pipe penetrations
- Excellent choice for moving cracks and joints

FEATURES AND BENEFITS
- ANSI/NSF 61 Drinking Water Systems Component – UL and WQA Certified
- 100% solids
- Expands 400% – 600%
- Solvent-free and non-corrosive
- Forms a resilient, flexible foam with superb adhesive properties
- Can accept up to 12X its volume in water
- May be used in underwater applications

GROUTING TECHNIQUES
- Expanded Gasket Placement Technique (EGP)
- Variable Pressure Application Technique (V-PAT) – Crack Injection

HOW IT WORKS
AV-202 can be applied via two techniques: EGP or V-PAT. The resin reacts to moisture to form a resilient, flexible seal accomplished by three mechanisms: the resin seeks out water in the space and adheres to the surface, then begins to expand forming a tight compressive seal, while the network of compressed grout material within all the cracks forms a mechanical lock.

RATIOS
Preferred ratio is 1:1 (water to resin), however no pre-mixing is required. Pumped as a single component and is effective at ratios up to 12:1 with water.

PACKAGING
Product packaged by weight based on specific gravity.
- Drum Net Wt. 484 lbs. (220 kg)
- Pail Net Wt. 44 lbs. (20 kg)
- Gallon Net Wt. 8 lbs. (3.6 kg)
- Cartridge 10.114 fl. oz. / Volume ~ 300 ml.

SHIPPING
- Motor class 55
- Non-hazardous
- Air freight available

CLEANING PRODUCTS
- AV-208 Technical Grade Acetone™ (CAS# 67-64-1) – removes moisture from equipment (see Performance section)
- AV-284 Pump Wash™ (Proprietary Blend) – removes uncured resin from pump hose
- AV-222 Cleaner™ (Proprietary Blend) – removes cured resin from equipment

PROPERTIES*
UNCURED
- Appearance: Brown resin
- Viscosity: 3,200 – 6,000 cP @ 77°F (25°C)
- Flash Point: 253.4°F (123°C)
- Specific Gravity: 1.090 @ 72°F (22°C) ± 3%
- Density: 9.09 lbs. per gallon ± 3% (1.090 kg/L ± 3%)

CURED
- Appearance: Milky colored flexible foam
- Tensile Strength: TBD
- Elongation: TBD

PERFORMANCE
Flush equipment with AV-208 before and after use to remove moisture and clean equipment. For best results, use between 60°F – 90°F (16°C – 32°C). Performance will be influenced by site conditions. If site temperatures are low, use a heat source to warm to ~72°F (22°C) and apply. Do not use open flame as a heat source.

At temperatures of 45°F (7°C), the viscosity of the product can significantly increase, making the miscibility with the reaction water more difficult.

STORAGE
Store in temperatures within or near 45°F – 95°F (7°C – 35°C) in a dry atmosphere. Keep container tightly closed when not in use. Packaged under dry nitrogen to keep moisture out and extend shelf life.

Note: storage of opened/partial containers at the lower range of the recommended storage temperature is not advised. The moisture in the air of the head space above a partial container might condensate and causes the grout to premature gel in the container.

SAFETY
Always use OSHA-approved personal protective equipment (PPE). Refer to the SDS for complete safety precautions. The SDS is available by request or via download at avantigrout.com.

NOTICE
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AV-202 Multigrout is tested and certified by WQA against NSF/ANSI 61 Drinking Water System Components

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