



# 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** 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 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
- Thickest resin on the market
- 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. 484lbs.
- Pail = Net Wt. 44 lbs.
- Gallon = Net Wt. 8 lbs.
- Cartridge = 10.114 fl. oz. / Volume ~ 300 ml.

### SHIPPING

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

### CLEANING PRODUCTS

- AV-208 Acetone, Technical Grade (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 @ 72°F (22°C)
Flash Point:	>200°F (>93°C) ASTM D-4886
Specific Gravity:	1.147 @ 72°F (22°C) ± 3%
Density:	1,147 kg/m <sup>3</sup> ± 3%
Specific Weight:	71.7 lb./ft. <sup>3</sup> (9.6 lb./gal.) ± 3%

#### CURED

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

\*Laboratory Results

### PERFORMANCE

Flush equipment with **AV-208** before and after use to remove moisture and clean equipment. For best results, use between 45°F – 95°F (7°C – 35°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.

### STORAGE

Store in temperatures within or near 45°F – 95°F (7°C – 35°C) in a dry atmosphere.

### 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 [www.AvantiGrout.com](http://www.AvantiGrout.com).

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DRINKING WATER SYSTEM COMPONENT  
 ANSI/NSF 61  
 88NN