



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 weight 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 Potable Water Systems 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 weight 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

- 12 oz (354 mL) cartridges – 12 cartridges/case (5.4 kg/case) – 105 cases/pallet (use standard caulk gun)
- 1 gallon (3.8 L) containers – 10 lb (4.5 kg) each
- 5 gallon (19 L) pails – 45 lb (20.5 kg) each – 24 pails/pallet
- 55 gallon (208 L) drum – 500 lb (227 kg) each

SHIPPING

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

PROPERTIES*

UNCURED

Appearance:	Brown resin
Viscosity:	3200 – 6000 cP @ 72°F (22°C)
Flash Point:	>200°F (>93°C)
Specific Gravity:	1.147 @ 72°F (22°C) ± 3%
Weight:	9.56 lb/gal ± 3% (1.145 kg/L ± 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 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.

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 and hose, leave in pump for storage.
- **AV-222** Cleaner (Proprietary Blend) – removes cured resin from equipment.

STORAGE

Store in temperatures within or near 60°F – 100°F (16°C – 38°C) in a dry atmosphere.

SAFETY

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

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WATER QUALITY

DRINKING WATER SYSTEM COMPONENT
ANSI/NSF 61
88NN

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