



TECHNICAL DATA SHEET

AV-202-LV MULTIGROUT LV™

HYDROPHILIC POLYURETHANE FOAM

DESCRIPTION

AV-202-LV Multigrout LV is the low viscosity version of the original **AV-202®** Multigrout. It is a single component moisture activated MDI/TDI blended polyurethane injection resin. Designed for sealing active water leaks in cracks or joints in concrete structures, **AV-202-LV** can withstand high water flows as it can absorb up to 10 times its weight in water. **AV-202-LV** is designed to permeate tight cracks or joints and cures to form a resilient and flexible, yet tough, closed-cell foam with superb adhesive qualities.

APPLICATION

- Various cracks or joints in concrete, or used in conjunction with **AV-215** Resin Rod™ or **AV-219** Fibrotite™ (oakum) systems
- Designed for applications where the flexibility and variability of **AV-202-LV** is desired but better penetration is needed from a lower viscosity chemistry
- Used routinely in manhole sealing and pipe penetrations
- Excellent choice for moving cracks and joints

FEATURES AND BENEFITS

- Low viscosity version of the original **AV-202** Multigrout
- 100% solids
- Expands 400-600%
- Solvent-free and non-corrosive
- Forms a resilient, flexible foam with superb adhesive properties
- Can accept up to 8X its weight in water

GROUTING TECHNIQUES

- Expanded Gasket Placement Technique (EGP)
- Variable Pressure Application Technique (V-PAT)

HOW IT WORKS

AV-202-LV 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 mixing is required. Pumped as a single component and is effective at a ratio of 10:1 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

PROPERTIES*

UNCURED

| | |
|-------------------|---|
| Appearance: | Brown resin |
| Viscosity: | 650-800 cP @ 72°F (22°C) |
| Flash Point: | >200°F (>93°C) |
| Specific Gravity: | 1.078 @ 72°F (22°C) ± 3% |
| Density: | 9.0 lbs/gal (1,078 kg/m ³) ± 3% |

CURED

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

*Laboratory Results

PERFORMANCE

Flush equipment with **AV-208** Technical Grade Acetone™ 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.

CLEANING PRODUCTS

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

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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