



**TECHNICAL DATA SHEET**

**AV-202-NTP MULTIGROUT NTP™**

**HYDROPHILIC POLYURETHANE FOAM**

**DESCRIPTION**

**AV-202-NTP** Multigrout NTP 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. **This version is equivalent to AV-202® Multigrout, however NOT 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**

- 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
- May be used in underwater applications

**GROUTING TECHNIQUES**

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

**HOW IT WORKS**

**AV-202-NTP** 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

**PROPERTIES\***

**UNCURED**

Appearance:	Brown resin
Viscosity:	3200 – 6000 cP @ 72°F (22°C)
Flash Point:	>200°F (>93°C)
Specific Gravity:	1.095 @ 72°F (22°C) ± 3%
Density:	9.13 lbs./gal ± 3% (1.095 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.

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 (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 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](http://avantigrout.com).

**NOTICE**

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