

## TECHNICAL DATA SHEET

# AV-260 FUSION GROUT™

## HYDROPHOBIC POLYURETHANE GROUT

### DESCRIPTION

**AV-260 Fusion Grout** is a moisture activated MDI-based polyurethane resin whose chemical reaction is catalyzed by mixing **AV-261 Fusion AC™** with AV-260. Injected as a single component, **AV-260** is designed for sealing active and potential water leaks in various cracks, and annular spaces where flexibility is needed but is susceptible to wet/dry cycles. **AV-260** cures resilient, impermeable, and flexible. Avanti's **AV-260** is one of the most versatile products on the market.

### APPLICATION

- For use above or below grade in humid or arid atmospheres
- Fills various cracks and pipe penetrations
- Stops leaks in concrete structures
- Designed for tunnels, mines, dams, reservoirs, block walls and structures that may shift

### FEATURES AND BENEFITS

- Free rise expands 1,500% – 2,500%
- Solvent-free system
- Controllable reaction time by adjusting **AV-261 Fusion AC** volume
- Withstands wet/dry cycles
- Unique hydrophobic that cures flexible and closed-cell

### GROUTING TECHNIQUES

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

### HOW IT WORKS

**AV-260 Fusion Grout** uncured resin must be injected into a confined space. Fill the space at least halfway with unreacted resin. The resin will react with moisture to form a resilient seal accomplished by three mechanisms: the resin seeks out water in the space and adheres to the surface, then begins to expand in the confined space to form a tight, high density compression seal, while the network of compressed grout material within all the cracks/joints forms a mechanical lock.

### ADDITIVES

- **AV-261 Fusion AC** – catalyst, 32 oz. (0.95 L) container

### 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)

### SHIPPING

- Motor Class 55
- Non-Hazardous
- Air freight available

### 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

### PROPERTIES\*

#### AV-260 – UNCURED

Appearance:	Brown liquid
Viscosity:	300 – 500 cP @ 72°F (22°C)
Flash Point:	>200° F (93.3°C)
Specific Gravity:	1.075 @ 72°F (22°C) ± 3%
Density:	9.0 lb./gal ± 3% 1,075 kg/m <sup>3</sup> ± 3%

#### AV-260 – CURED

Appearance:	Cream-colored, flexible
Tensile Strength:	TBD
Toxicity:	Non-toxic

#### AV-261 Fusion AC

Appearance:	Light brown liquid
Viscosity:	15 – 18 cP @ 68°F (20°C)
Flash Point:	>200° F (93.3°C)
Specific Gravity:	0.921 @ 68°F (20°C) ±3%

\*Laboratory Results

### MIX PROCEDURE

Typically, one container of **AV-261 Fusion AC** is used per 5-gallon container of **AV-260 Fusion Grout**. Depending on the desired reaction time, **AV-261** may be doubled. Mix thoroughly, but slowly, to avoid creating bubbles in the solution. Perform the standard cup test with site water to determine the desired reaction time.

### PERFORMANCE

Flush equipment with **AV-208** before and after use to remove moisture and clean equipment. Performance will be influenced by site conditions. If site temperatures are low, heat the product to recommended operating temperatures of 60°F – 90°F (16°C – 32°C) and/or increase catalyst amount by 1% – 2%. Do not exceed more than 64 oz. (1 L) of **AV-261 Fusion AC** per 5-gallon container of the **AV-260 Fusion Grout** resin. Do not use open flame as a heat source. Excess amounts of **AV-261** may adversely affect performance. Because catalyzed resin will react to moisture from the air, use product soon after mixing for best results.

### STORAGE

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

### 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).

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