

TECHNICAL DATA SHEET

AV-333 INJECTAFLEX™

HYDROPHILIC POLYURETHANE FOAM

DESCRIPTION

AV-333 Injectaflex is a single component, mid-range viscosity, moisture activated polyurethane injection resin. This high quality resin is designed for sealing active water leaks in various cracks or joints in below-grade structures. **AV-333** does have the added benefit of containing dimethyl ketone (acetone) – a highly hygroscopic chemical able to attract surrounding atmospheric moisture and dissolve FOG (fats, oils, and greases) on contact to ensure good adhesion on various surfaces. It cures to form a resilient and flexible, yet tough, closed-cell foam. Certified for use in potable water.

APPLICATION

- Midsize cracks or joints in concrete
- Stops infiltration in manholes, basements, retaining walls, etc.
- Use for applications that involve plastics
- Great for applications that are exposed to FOG

FEATURES AND BENEFITS

- ANSI/NSF 61 Potable Water Systems UL Certified
- Mid-range viscosity penetrates well
- Expands 400% – 600%
- Forms a resilient, flexible foam with superb adhesive properties
- Contains dimethyl ketone – VOC exempt, hygroscopic, FOG solvent

GROUTING TECHNIQUES

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

HOW IT WORKS

AV-333 Injectaflex can be applied via two techniques: EGP or VPAT. It reacts in the presence of 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.

PACKAGING

Product packaged by weight based on specific gravity.

Drum	Net Wt. 465 lbs. (211 kg)
Pail	Net Wt. 44 lbs. (20 kg)
Gallon	Net Wt. 8 lbs. (3.6 kg)

SHIPPING

- Motor Class 55
- Hazard Class 3
- Packing Group II
- Air freight available



PROPERTIES*

UNCURED

Appearance:	Pale yellow liquid
Viscosity:	350 – 750 cP @ 72°F (22°C)
Flash Point:	-4°F (-20°C)
Specific Gravity:	1.12 @ 72°F (22°C) ±3%
Weight:	9.29 lbs./gal ± 3% (1.113 kg/L ± 3%)

CURED

Appearance:	Milky colored flexible foam
Tensile Strength:	TBD
Toxicity:	Non-toxic

*Laboratory Results

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). 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, dark atmosphere. Open container slowly to limit degassing. Do not expose to direct sunlight. Keep away from combustible products and open flame. **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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DRINKING WATER SYSTEM COMPONENT
ANSI/NSF 61
88NN