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

- Midsized 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 – hygroscopic and FOG solvent

GROUTING TECHNIQUES

- Expanded Gasket Placement Technique (EGP)
- Variable Pressure Application Technique (VPAT)

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. / Volume 48.5 – 49.8 gal.
- Pail = Net Wt. 44 lbs. / Volume 4.58 – 4.7 gal.
- Gallon = Net Wt. 8 lbs. / Volume ~1 gal.

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

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 – 80°F (16°C – 27°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.

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 www.AvantiGrout.com.

NOTICE

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