DESCRIPTION
AV-330 Safeguard is a 100% MDI-based, single component, mid-range viscosity, moisture activated polyurethane injection resin. This high quality water-activated resin is designed for sealing active leaks in below grade structures. It is a mid-range viscosity grout that permeates well in various cracks and joints, but offers added safety in confined spaces or where there is poor ventilation. It cures to become a resilient and flexible, yet tough, closed-cell foam. Certified for use in potable water.

APPLICATION
• Areas with poor ventilation or confined spaces (utility vaults, sub-grade pump houses, lift stations, mines, tunnels, and basements)
• Medium cracks or joints in concrete structures
• Great for manholes and pipe penetrations

FEATURES AND BENEFITS
• ANSI/NSF 61 Potable Water Systems UL Certified
• 100% MDI-based
• Mid-range viscosity penetrates well
• Expands 400% – 600%
• Solvent-free system and non-corrosive
• Forms a resilient, flexible foam with superb adhesive properties

HOW IT WORKS
AV-330 Safeguard 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.

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
• Non-Hazardous
• Air freight available

TECHNICAL DATA SHEET
AV-330 SAFEGUARD
HYDROPHILIC POLYURETHANE FOAM

PROPERTIES*
UNCURED
Appearance: Pale yellow liquid
Viscosity: 350 – 750 cP @ 72°F (22°C)
Flash Point: >200°F (>93°C)
Specific Gravity: 1.12 @ 72°F (22°C) ± 3%
Weight: 9.32 lb/gal ± 3% (1.117 kg/L ± 3%)

CURED
Appearance: Milky colored flexible foam
Tensile Strength: 350-400 psi ASTM D-3574 Test E
Elongation: 300-400% ASTM D-3574 Test E

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 – 90°F (16°C – 32°C) in a dry atmosphere.

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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DRINKING WATER SYSTEM COMPONENT
ANSI/NSF 61
88NN

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WATER QUALITY

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