### HYDROPHILIC FOAMS

<table>
<thead>
<tr>
<th>Description</th>
<th>Applications and General Uses</th>
<th>Packaging (net wt.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV-202® Multigrout</td>
<td>Seals high volume water leaks in large cracks or joints in concrete structures. Excellent binding capabilities and can absorb up to 12x its weight in water. Can be used in conjunction with AV-215 Resin Rod or AV-219 Fibrotite (Oakum).</td>
<td>Drum - 484 lbs. Pail - 44 lbs. Galon - 8 lbs. Cartridge - 10.114 fl. oz.</td>
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<tr>
<td>AV-202-NTP Multigrout NTP™</td>
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<tr>
<td>Expansion: 400-600% Water to Resin Ratio - 1:1-12:1 Viscosity: 3,200-6,000 cP</td>
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<tr>
<td>Expansion: 400-600% Water to Resin Ratio - 1:1-10:1 Viscosity: 650-800 cP</td>
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<tr>
<td>AV-315 Microfoam™</td>
<td>Extremely low viscosity design for sealing active water leaks in very fine cracks or joints in below-grade structures including basements, vaults, tunnels, mines.</td>
<td>Drum - 484 lbs. Pail - 44 lbs. Galon - 8 lbs.</td>
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<tr>
<td>Expansion: 400-600% Water to Resin Ratio: 1:1 Viscosity: 50-100 cP</td>
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<tr>
<td>Expansion: 400-600% Water to Resin Ratio: 1:1</td>
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<tr>
<td>AV-333 Injectaflex™</td>
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<tr>
<td>Expansion: 400-600% Water to Resin Ratio: 1:1 Viscosity: 350-750 cP</td>
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<tr>
<td>AV-248 Flexseal™/AV-249</td>
<td>Designed to seal active or potential water leaks in cracks, annular spaces, pipe penetrations and above/below-grade concrete structures where high flexibility is needed. Used in tunnels, mines, dams, reservoirs, block walls and structures that may shift.</td>
<td>Drum - 484 lbs. Pail - 44 lbs. Galon - 8 lbs. Cartridge - (248-LV) 75 ml (249-LV) 75 ml Catalyst - 16 oz. (LV) 32 oz.</td>
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<tr>
<td>LV Version NSF/ANSI 61 Potable Water Systems Certified. Injected as single component; Moisture activated MDI-based polyurethane resin; Withstands wet/dry cycles; Forms resilient, impermeable, rigid foam. AV-249 is used exclusively with AV-248, and AV-249-LV is used exclusively with AV-248-LV.</td>
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<tr>
<td>Expansion: 400-600% Ratio: See TDS Viscosity: 150-250 cP (LV)/low 550-830 cP</td>
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<tr>
<td>NSF/ANSI 61 Potable Water Systems Certified. Injected as single component; Moisture-activated MDI-based polyurethane resin; Withstands wet/dry cycles; forms dense, impermeable, closed-cell foam. AV-276 is used exclusively with AV-275.</td>
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<tr>
<td>Expansion: Up to 3,000% Ratio: See TDS Viscosity: 30-55 cP</td>
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<tr>
<td>Injected as single component; Moisture-activated MDI-based polyurethane resin; Withstands wet/dry cycles; forms closed-cell, impermeable, rigid foam. AV-279 is used exclusively with AV-278.</td>
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<tr>
<td>Expansion: 1,500-2,000% Ratio: See TDS Viscosity: 25-100 cP</td>
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<tr>
<td>AV-290 Fast-Set™</td>
<td>Rapidly reacts. Designed to fill large voids on the exterior of below-grade structures - including manholes, culverts - where high water flow is present.</td>
<td>Drum - 484 lbs. Pail - 44 lbs. Galon - 8 lbs. Catalyst - 78 oz. (A) 32 oz. (B) 32 oz.</td>
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<tr>
<td>Expansion: 1,500-2,000% Ratio: 1:1 (No Water Required) Viscosity: (A) 200 cP (B) 500 cP</td>
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### SOIL STRENGTHENERS

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<td>Single component polyurethane resin; Moisture activated; When the reaction occurs, a slight expansion of the resin is noticeable and the material quickly cures to an open cell foam which is impervious to corrosive environments and microorganisms. AV-551 is used exclusively with AV-550.</td>
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<td>Expansion: Slight Ratio: See TDS Viscosity: 25 cP ± 5</td>
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* Non-potable version (NTP)
CEMENTITIOUS GROUTS

**Ultrafine SD Grout** (avg. 3 microns)
- Expansion: None
- Ratio: See TDS
- Viscosity: N/A

**NSF/ANSI 61 Potable Water Systems Certified.** Finely ground mixture of Portland cement, pumice and dispersant; Contains Superplasticizer; Zero bleed and high compressive strength; No additives required; Stable U.S. supply.

**Applications and General Uses:** Smaller particle size permeates small fractures and fine soils to stabilize weak soils, seal seepages in mines/dams/tunnels, contain hazardous waste, and oil well squeeze cementing. Great for probe and curtain grouting. Stable North American supply.

**Packaging (net wt.):**
- 44 lb. bag
- Super sack - 2,000 lbs.

CHEMICALLY-REACTIVE GELS

**AV-100® Chemical Grout**
- Liquid and Granular
- Expansion: None
- Ratio: 1:1
- Viscosity: 1-2 cP (in solution)

**Tested and approved for U.S. DOE by Oakridge National Laboratory. Ultra-low viscosity chemically-reactive gel; Similar viscosity to water; Once cured, creates an effective, long-lasting water barrier that stabilizes soil. Available as liquid or granules.**

**Applications and General Uses:** Permeates anywhere water can travel. Cures in controllable time frames of 5 seconds to 10+ hours. Stops infiltration into manholes, sanitary and storm sewers, manilines, joints, laterals, tunnels, mines and other underground structures by stabilizing external substrates.

**Packaging (net wt.):**
- Liquid
  - Tote - 2,300 lbs.
  - Drum - 130 lbs.
- Granular
  - 50 lb. bag
  - 30 lb. bag

**AV-118® Duriflex**
- Expansion: None
- Ratio: 1:1
- Viscosity: 15-20 cP

**Ultra-low viscosity chemically-reactive resin; Similar viscosity to water; Once cured, creates an effective, long-lasting water barrier that stabilizes soil.**

**Applications and General Uses:** Permeates anywhere water can travel. Cures in controllable time frames of 5 seconds to 10+ hours. Stops infiltration into manholes, sanitary and storm sewers, manilines, joints, laterals, tunnels, mines and other underground structures.

**Packaging (net wt.):**
- Tote - 2,500 lbs.
- Drum - 135 lbs.

**AV-150 Acrylate Gel™**
- Expansion: Slight
- Ratio: 1:1
- Viscosity: 15-20 cP

**Non-toxic, ultra-low viscosity chemically activated gel; Similar viscosity as water; Once cured, creates an effective, long-lasting water barrier while providing superb soil stabilization; High solids content grout.**

**Applications and General Uses:** Permeates anywhere water can travel. Cures in controllable time frames of 20 second to 5x: min. Stops infiltration into manholes, sanitary and storm sewers, manilines, joints, laterals, tunnels, mines and other underground structures.

**Packaging (net wt.):**
- Tote - 2,420 lbs.
- Drum - 484 lbs.
- Pail - 44 lbs.

**AV-160 SuperGel™**
- Expansion: Slight
- Ratio: 1:1
- Viscosity: 3-4 cP (in solution)

**Non-Acrylamide product; Non-toxic; Ultra-low viscosity chemically-reactive acrylate gel; Similar viscosity to water; Creates an effective, long-lasting water barrier that stabilizes soil.**

**Applications and General Uses:** Permeates anywhere water can travel. Cures in controllable time frames of 5 seconds to 10+ hours. Stops infiltration into manholes, sanitary and storm sewer mainlines, joints, laterals, tunnels, mines and other underground structures.

**Packaging (net wt.):**
- Tote - 2,500 lbs.
- Drum - 135 lbs.
- Pail - 46 lbs.

LIFTING FOAM

**AV-600 SureLift™ Series**
- Expansion: 1,500-2,000%
- Ratio: 1:1
- Viscosity: (A) 360-475 cP / (B) 200 cP

**Dual component, all PMDI-based urethane foam system; low viscosity design allows material to blend together with typical mix machines/hand mixer. Fast and slow versions available.**

**Applications and General Uses:** Engineered for concrete lifting, soil stabilization and void fill. Slow is the speed of choice when the cavity to be filled is large. A slow reactivity will allow longer shot times.

**Packaging (net wt.):**
- Pail: A - 477 lbs.  |  B: 59.6 lbs.

URETHANE GELS

**AV-254 Gelseal™**
- Expansion: Slight
- Water to Resin Ratio: 8:1
- Viscosity: 10 cP (in solution)

**Prepolymer resin that reacts with water; No pre-mixing required; 5 gal. of resin makes up to 45 gal. of solution; Quickly permeated soil to produce a strong gel/soil matrix and effective water barrier that stabilizes soil.**

**Applications and General Uses:** Excellent permeation properties when injected in water. Stops infiltration into manholes, sanitary and storm sewers, manilines, joints, tunnels, mines and other underground structures. The addition of AV-255G accelerates cure time.

**Packaging (net wt.):**
- Drum - 484 lbs.
- Pail - 44 lbs.
- Gallon - 8 lbs.

**AV-350 Multigel™**
- Expansion: Slight
- Water to Resin Ratio: 8:1
- Viscosity: 10 cP (in solution)

**Prepolymer resin that reacts with water; No pre-mixing required; 5 gal. of resin makes up to 45 gal. of solution; Produces effective water barrier that stabilizes soil. Contains dimethyl ketone (acetone).**

**Applications and General Uses:** Quickly permeates soil. Stops infiltration into manholes, sanitary and storm sewers, manilines, joints, tunnels, mines and other underground structures. Hygroscopic and FOG solvent. The addition of AV-351 accelerates cure time.

**Packaging (net wt.):**
- Drum - 484 lbs.
- Pail - 44 lbs.
- Gallon - 8 lbs.

ELASTOMER

**AV-200 Dura-Set™/AV-201**
- Expansion: None
- Ratio: 1:1
- Mixed Viscosity: 1,460 cP

**High performance, dual component polyurethane elastomeric resin; Injected, sprayed or troweled; Creates pliable rubber that is unaffected by water, wet/dry cycles, or UV rays.**

**Applications and General Uses:** Combines strength and flexibility to fill cracks, joints, and prevent leaks in concrete. Can be used as surface coating/waterproofing material or rubber gasket. The addition of AV-201 increases adhesion.

**Packaging (net wt.):**
- 5-Gallon Kit - 19.0 L
- 1-Gallon Kit - 3.8 L

AUXILIARY PRODUCTS

- **Catalysts for use with AV-100, AV-118, AV-150 and AV-160**: AV-101® Catalyst T+ AV-102® Catalyst AP AV-105® Catalyst T
- **Additives**: AV-106 Gel Guard AV-255G Accelerator AV-257 Isocat AV-351 Accelerator Trace Dyes Potassium Ferricyanide (KFe)
- **Pump Flush and Cleaners**: AV-258 Technical Grade Acetone AV-222 Cleaner AV-284 Pump Wash
- **Resin Injectors**: 3/8” Bang-In Injector EZ-1 EZ-SP EZ-4 Mechanical Injectors
- **Accessories**: “F” Assembly Wall Spear Assembly Resin Injection Gun Needles Button Head Coupler Coupler Moisture-Resistant Hose Injection Hose Kit Injector Extensions

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