

AV-315 Micro Foam

Hydrophilic Foam

General Specifications

Description

AV-315 Micro Foam is a prepolymer resin which specializes in sealing leaks in fine cracks. AV-315 has an extremely low viscosity which reacts rapidly with even proportions of water to form resilient, impermeable foam with excellent adhesion to concrete and similar materials.

AV-315 Micro Foam's specifically engineered properties make it one of the lowest viscosity, hydrophilic urethanes available. Material is inert after curing.

General Uses

- Fine cracks or joints in concrete
- Retaining walls
- Parking structures
- Tunnels
- Mines

Grouting Techniques

Expanded Gasket Placement Technique (EGP)

Variable Pressure Application Technique (V-PAT)

Viscosity

200 CPS

Ratio

1:1 (Water to Resin)

5 Gallon Pail = 10 Gallon batch

Additives

AV-255G Grout Side Accelerator – reduces gel time

Packaging

12 oz Dual Cartridges* – 14 lb. gross weight per case, 24 cases per pallet
Container – 1 Gallon – 12 lb. gross weight ea.

Pail – 5 Gallon – 50 lb. gross weight ea., 24 pails per pallet

*12 oz. cartridges contain 10.3 oz. of material and can be used with Dual Cartridge caulk gun, (available from Avanti) sold in cases (12 ct.)

Shipping

Motor Class 55

Hazard Class: Non-Hazardous

Air Freight available for:



Cartridges



1 Gallon Container



5 Gallon Pail

Cleaning Products

AV-208 – Acetone, Technical Grade

AV-284 – Pump Wash

Technical Specifications

Description

Non-flammable, rapid curing, easily pumped resin usually injected into 1/16" to 1/4" cracks.

Properties: Uncured

Appearance: Pale yellow liquid

Solids Content: 85%

Viscosity: 200 cps @ 60°F

Flash Point: > 212°F (100°C)

Corrosiveness: Non-corrosive

Reaction Time: 40 seconds @ 70°F

ASTM D-1259

ASTM D-4016

ASTM D- 93

Properties: Cured Foam (1:1)

Tensile Strength: 150 psi

Elongation: 300-400%

Shrinkage: <2% after initial cure

Bonding Strength: 250-300 psi

Toxicity: Non-toxic

ASTM D-3574 Test E

ASTM D-3574 Test E

Storage

AV-315 Micro Foam is sensitive to moisture and moderately sensitive to high storage temperatures. Store in a dry area between 40°F and 80°F.

AV-315 Micro Foam should be properly removed from all application equipment due to the high risk of moisture contamination. Immediately after use, hoses and pumps can be cleaned with AV-208 Acetone or AV-284 Pump Wash. This product is packaged under dry nitrogen to extend shelf life.

MSDS

Available by request, or download at www.avantigrout.com/MSDS

Safety

Product contains Toluene Diisocyanate (TDI). Vapors may cause respiratory irritation and sensitization. Take precautions to avoid breathing of fumes and vapors. Operators should be equipped with protective clothing including rubber gloves and face shield. Ventilation should be used in confined spaces.

First Aid

Eyes: Immediately flush eyes with water for 15 minutes. Get medical attention.

Skin: Wash affected area with soap and water. Remove contaminated clothing.

Inhalation: Remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: Drink 2 glasses of water. Call a physician.

Note: Never give anything by mouth to an unconscious or convulsing person.

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