

AV-202 Multigrout

Hydrophilic Foam

General Specifications

Description

AV-202 Multigrout is a polymer solution which cures when reacted with water. AV-202 reacts freely with water to form a strong film, gel, or foam of polyurethane. AV-202 Multigrout's intended use would be to prevent water infiltration into sub-grade structures and pipes.

General Uses

- Large cracks or joints in concrete
- Dams and reservoirs
- Precast structures
- Manhole and pipe penetrations

Grouting Techniques

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

Viscosity

2500 CPS

Ratio

1:1 to 15:1 (Water to Resin)

Underwriters Laboratories [UL] Rated

ANSI/NSF Standard 61-Drinking Water Systems Components

Packaging




12 oz Cartridges* – 12 lb. gross weight per case, 105 cases per pallet
Container – 1 Gallon – 10 lb. gross weight ea.
Pail – 5 Gallon – 45 lb. gross weight ea., 24 pails per pallet
Drum – 55 Gallon – 500 lb. gross weight ea., 4 drums per pallet

*12 oz. cartridges contain 10.3 oz. of material and can be used with standard caulk gun, sold in cases (12 ct.)

Shipping

Motor Class 55
Hazard Class: Non-Hazardous

Air Freight available for:

-  Cartridges
-  1 Gallon Container
-  5 Gallon Pail



Motor Freight required for:

-  55 Gallon Drums

Cleaning Products

AV-208 – Acetone, Technical Grade
AV-284 – Pump Wash



Webster, Texas 77598 / 800.877.2570
www.avantigrout.com / sales@avantigrout.com

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Technical Specifications

Description

Durable and versatile elastic foam or gel. Excellent for heavy or light flow conditions, as well as under water. Nonflammable.

Properties: Uncured

Appearance: Dark brown liquid
Viscosity: 2500 cps @ 30°C (77°F) ASTM D-1638
Flash Point: 200°F (Pensky-Martins) ASTM D- 93
Specific Gravity: 1.15 (9.53 lbs./gallon) ASTM D-1638
Corrosiveness: Non-corrosive

Properties: Cured Foam (1:1)

1:1 Water / Grout Ratio
Tensile Strength: 20 PSI (1.406 kg/cm2) ASTM D-3574
Elongation: 190% ASTM D-3574
Tear Strength: 4.9 lbs./in. (0.875 kg/cm2) ASTM D-3574
Density / Specific Gravity: 0.18

Mix Ratio

Foam Time

Ratio Range Water: AV-202	General Properties	Ratio Range Water: AV-202	Foam/Gel Time in Minutes at 72° F
1:1 to 5:1	Foam	1:1	1:50
6:1 to 10:1	Expansive gel	2:1	2:50
11:1 to 15:1	Soft gel	4:1	4:25
16:1 to 49:1	Very weak gel	6:1	8:00
50:1 to 100:1	Emulsion	8:1	11:00

Storage

AV-202 Multigrout is sensitive to moisture and moderately sensitive to high storage temperatures. Store in a dry area between 40°F and 80°F.

AV-202 Multigrout 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

Chemical Resistance Data

Available online at www.avantigrout.com/chemicalresistancedata/

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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