

AV-280 Hydrofoam

Hydrophobic Foam

General Specifications

Description

AV-280 Hydrofoam is designed for grouting joints or repairing leaks in concrete structures. AV-280 Hydrofoam forms a gasket in the joint or crack, which is virtually unaffected by corrosive environments. AV-280 Hydrofoam is designed to be used when greater than 10% movement of the substrate is anticipated.

In its uncured form, AV-280 Hydrofoam is a transparent amber, non-flammable liquid. When AV-281 Hydrocel catalyst is added and the resin comes in contact with moisture, the resin quickly expands and cures to resilient, flexible closed-cell foam.

General Uses

- Grouting joints or repairing leaks in concrete structures above/below grade.
- Large voids
- Pipe annulus between slip-liners
- Block wall
- Not for potable water applications
- Not suitable for high water flows

Grouting Techniques

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

Viscosity

950 CPS

Ratio

No Water Added
5 Gallon Pail = 5 Gallon batch

Additives

AV-281 Hydrocel – reduces set time

Packaging


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

Shipping

Motor Class 55
Hazard Class: Non-Hazardous

Air Freight available for:

 1 Gallon Container

 5 Gallon Pail

Motor Freight required for:

 55 Gallon Drums

Cleaning Products

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

Technical Specifications

Description

MDI-based, semirigid expansive material that reacts rapidly to fill large voids and annular spaces in high water flows. Cures to a rigid closed cell foam. Nonflammable. Withstands wet/dry cycles.

Properties: Uncured

Appearance: Amber liquid
Solids Content: 100%
Viscosity: 950 cps
Flash Point: 425°F (218°C)
Specific Gravity: 1.12
Odor: Pungent aroma

Properties: Cured Gel

Tensile Strength: 29.30 psi	ASTM D-1623
Elongation: 44-50%	ASTM D-1623
Shear Strength: 17.10 psi	ASTM C-2733
Water Absorption: < 1% (change in weight)	ASTM D-2127
Shrinkage: < 1%	ASTM D-2126

Mix Ratio and Procedure

AV-280 Hydrofoam is hydrophobic and does not require the addition of water. Mix one 25 oz. bottle of AV-281 Hydrocel. One 25 oz. bottle of AV-281 Hydrocel is supplied with each 5 gallon pail of AV-280.

Slowly pour the pint of AV-281 Hydrocel catalyst into the 5-gallon pail of AV-280 Hydrofoam while slowly stirring for 3 to 5 minutes. The ideal temperature for mixing catalyst is between 65°F and 85°F. Do not allow moisture to penetrate the mixing pail. For faster set times add more AV-281 Hydrocel.

Storage

Store AV-280 Hydrofoam and AV-281 Hydrocel between 60°-85°F (16°-30°C). This product is packaged under dry nitrogen to extend shelf life.

MSDS

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

Safety

Product should be used only in well ventilated areas in order to keep the vapor concentration low. Eye contact and repeated skin contact should be avoided. Normal protective clothing such as gloves and goggles are recommended. A self-contained breathing apparatus should be worn in confined spaces where there is little ventilation and vapors are likely to be high.

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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