

AV-278 Low Vis Hydrophobic

Single Component Polyurethane Foam

Technical Data Sheet

Description

A single component, water activated, MDI based polyurethane injection resin. The chemical reaction of this product can be accelerated by using the AV-279 Accelerator. This water activated resin is designed for sealing active water leaks in large voids, cracks, and annular spaces. The resin reacts quickly with water to form a semi-rigid foam. Nonflammable. Withstands wet/dry cycles.

General Uses

- Fills large voids and pipe penetrations.
- Stops leaks in concrete structures.
- Designed for tunnels, mines, dams, reservoirs, rock faults, etc.
- Oakum Soakum Technique used in joints and open cracks.

Grouting Techniques

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

Viscosity

120-160 cps

Ratio

1:1 (Water:Resin)

Additives

AV-279 Accelerator – reduces set time

Packaging

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

Shipping

Motor Class 55
Hazard Class: Non-Hazardous

Air Freight available for:

5 Gallon Pail

Cleaning Products

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

Properties: Uncured

Appearance: Brown color
Viscosity @ 77°F: 120-160 cps
Flash Point: >302°F
Density: 1.105

Properties: Cured

Tensile Strength: 150 psi
Hardness: 12
Toxicity: Non-Toxic

Mix Ratio & Procedure

Add between 2% to 10% of AV-279 Accelerator to the AV-278 resin depending on the desired reaction time. It is recommended to perform a small sample test to determine the reaction time of the resin and accelerator mixture.

Storage

Store in a cool, dry area away from moisture. This product is packaged under dry nitrogen to extend shelf life.

MSDS

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

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.

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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