

3M Scotch-Seal 5600

Hydrophilic Foam

General Specifications

Description

Scotch-Seal Chemical Grout 5600 (foam) is designed to seal leaking cracks, fractures, joints and holes in concrete and masonry. When cured, 5600 forms a flexible, tough, rubbery gasket that stops water with a three way seal by: **Mechanical bond / Chemical bond / Compression seal.** Chemical Grout 5600 is suggested to help prevent and correct infiltration and exfiltration problems in sewage systems, manholes, storm and drain culverts, tunnels, clean water reservoirs, dams, foundations and other concrete structures exposed to water. Avanti AV-333 Injectaflex is interchangeable with 3M-5600 and can be used for similar applications. Scotch-Seal Chemical Grout 5600 (foam) and Scotch-Seal chemical grout 5610 (gel) can be used in combination. When used together, in a manhole for example, 5600 is often used with oakum to seal large cracks and 5610 is used to seal fine cracks, consolidate the surrounding soil and fill voids and encase the entire manhole in a protective grout layer. Scotch-Seal Chemical Grout 5600 is applicable with the type of chemical effluents found in typical industrial wastewater. See Scotch-Seal chemical grout Chemical Resistance Data sheet for more information.

General Uses

- Medium to large cracks or joints in concrete
- Stop infiltration throughout sewage systems, storm and drain culverts, manholes, utility vaults, large-diameter pipe or similar structures.
- Manhole and pipe penetrations
- Excellent waterproofing for tunnels, mines, elevator pits, dams, reservoirs, etc.
- Material can be used in wet or dry conditions.

Grouting Techniques

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

Viscosity

300-400 CPS

Ratio

1:1 (Water to Resin)
5 Gallon Pail = 10 Gallon batch

National Sanitation Foundation [NSF] Rated

ANSI/NSF Standard 61-Drinking Water Systems Components

Additives

3M-5601 Accelerator


Packaging

Pail – 5 Gallon – 50 lb. gross weight ea., 36 pails per pallet

Shipping

Motor Class 55
Hazard Class 3

Air Freight available for:

 5 Gallon Pail



Cleaning Products

AV-208 – Acetone, Technical Grade
AV-284 – Pump Wash
3M-5602 – 3M Cleaner



AVANTI

AvantiGrout stops leaks. Permanently.

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Technical Specifications

Description

Scotch-Seal Chemical Grout 5600 is applicable with the type of chemical effluents found in typical industrial wastewater.

Properties: Uncured

Appearance: Light amber liquid	
Solids Content: 82-88%	ASTM D-1010
Viscosity: 300 - 600 cps @ 70°F	ASTM D-1638
Flash Point: 25°F (-3°C)	ASTM D- 93
Corrosiveness: Noncorrosive	
Reaction Time: 40 seconds @ 70°F	

Properties: Cured Foam (1:1)

Tensile Strength: 80 - 90 psi	ASTM D-3574
Elongation: 700-800%	ASTM D-3574
Shrinkage: 18% linear shrinkage	ASTM D- 756
Toxicity: Nontoxic	ASTM D-1042

Storage

Store in a cool, dry place where temperatures do not exceed 80°F (27°C). Freezing will not harm the product and may extend the shelf life. Keep away from all sources of ignition. Keep container closed when not in use.

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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