

# 3M Scotch-Seal 5610

## Hydrophilic Gels

### General Specifications

#### Description

Chemical Grout 5610 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. Scotch-Seal Chemical Grout 5610 (gel) provides water shutoff in three ways:

- Fills and tightly seals cracks and joints with an impermeable, tough flexible mass.
  - Fills and seals existing void spaces in the soil behind leaking structures.
  - Penetrates and consolidates soil and other back-fill to help produce a water-impermeable, grouted soil mass or grout membrane.
- Chemical Grout 5610 is especially suited for sealing cracks, joints and holes in leaking structures below ground, such as manholes and sewer pipes. Chemical Grout 5610 may be used with remote television inspection and sealing equipment used in small bore pipes. It is well suited for soil consolidation in places such as slopes, seawalls, dams, manholes, foundations and other similar applications.

#### General Uses

- Stops infiltration into manholes (brick, mortar or precast)
- Seals pipe joints using commercial packer equipment to prevent leakages in sanitary and storm sewer pipes
- Seals service lateral connections
- Stabilizes soil
- Seals any underground structure by external substrate stabilization

#### Viscosity

10 CPS in solution

#### Ratio

8:1 (Water to Resin)  
Gallon Pail = 45 Gallon batch

#### Additives

AV-257 Icoset – increases compressive and tensile strength  
AV-351 Accelerator – reduces set time

#### Containers

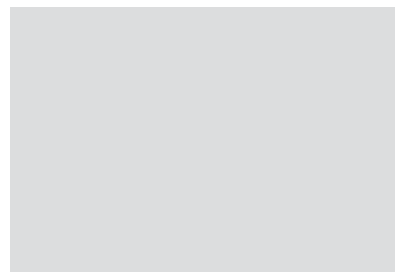
Pail – 5 Gallon – Gross Weight 50 lbs.

#### 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 Scotch-Seal 5610

**AVANTI INTERNATIONAL**  
**AvantiGrout stops leaks. Permanently.**



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### Technical Specifications

#### Description

Scotch-Seal Chemical Grout 5610 is applicable with the type of chemical and biological effluents found in typical industrial and sanitary wastewater.

#### Properties: Uncured

Appearance: Blue-green  
Solids Content (ASTM D-1259): 77-83%  
Viscosity (ASTM D-1638): 600-1200 cps @ 70°F  
Flash Point (ASTM D-93): 16°F (-9°C)  
Corrosiveness: Non-corrosive

#### Properties: Cured Gel (8:1)

Tensile Strength (ASTM D-3574): 20 - 30 psi  
Elongation (ASTM D-3574): 150-200%  
Shrinkage (wet): 0% linear shrinkage  
Average: 8% linear shrinkage  
Dry: 25% linear shrinkage  
Toxicity: Nontoxic in cured form

#### Storage

Store in a cool, dry place where temperatures do not exceed 80°F (27°C). Keep away from all sources of ignition. Keep container closed when not in use. Properly stored in original unopened containers, the useful life is one year. Once the container has been opened, the useful life is greatly reduced. Opened container can cure or gel prematurely if overexposed to moisture. Therefore, use as soon as possible; do not reuse.

#### 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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