

POLYURETHANE RIGID FOAM URETH551

URETH551 is a two-part polyurethane injection material that produces a rigid, closed-cell foam. This hydrophobic grout product is used as an effective stabilizer in water-bearing soils and in void filling.

MANUFACTURER

Company:
Intech Anchoring Systems
8250 Bunkum Rd,
Caseyville, IL 62232
Telephone: 844-244-7303

BENEFITS

- Fast reaction
- Easy 1:1 mix ratio
- No shrinkage
- Expansion of up to 1000% by volume
- Very durable foam

PROPERTIES OF URETH551 POLYURETHANE RIGID FOAM

Mix Ratio 1:1 by volume.
Pot Life 1-2 minutes; 68°F.

Uncured Properties:

Viscosity (ASTM D4878):	
551 Grout	200-250 cps; 77°F.
Part B	175-225 cps; 77°F.
Color:	
551 Grout	Clear.
Part B	Brown.
Spec. Gravity (ASTM D891):	
551 Grout	1.04-1.05.
Part B	1.22-1.24.
Solids:	100%.

Cured Properties:

Compressive Strength (ASTM D1621):	80-90 at 10% deformation, psi.
Shrinkage by Volume:	0%.
Free-rise Foam Density:	6+/- 0.5 (0.096+/-0.008) lbs/ft ³ (g/cc) measurement.



HOW TO USE

Surface Preparation: Remove all grease, wax, curing compounds and other foreign matter from area to be filled.

Application Instructions: Shake dual cartridge before use. Remove outer cap cover. Remove the tail plug from the top of each cartridge. Attach static mixer using locking nut. Using hand applicator, apply steady consistent flow into void or hole. Smooth grout overflow from crack or joint with a flat -bladed tool while grout is still pliable, if necessary.

Application: The temperature of the material and the temperature of the surface or soil into which the material is introduced control the speed of the reaction. For many projects, the method of stabilizing the surrounding soil is simply drilling holes through the concrete and injecting the grout at predetermined intervals. Each individual situation requires thorough evaluation of how to best fill a void or add structure to the soil.

Limitations/Precautions: Note that the temperature of the components will affect the reaction time. Hotter materials will decrease the reaction or working time, and colder materials will increase the reaction time. Furthermore, pH and other job site factors present may affect the reaction time. This grout contains reactive materials, which result in an exothermic reaction and has the potential to cause burns when in contact with skin. Consider the following safety measures: Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris. Do not eat, drink or smoke while in active contact with these materials. Avoid skin contact. Wash hands thoroughly. For eye contact , flush eyes with water for at least 15 minutes and seek immediate medical attention. Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

Cleaning Procedures: Excess grout material can be scraped off using a flat-bladed tool. This material can be disposed of in normal trash containers. Dispose of uncured waste materials in accordance with local, state or federal government regulations. Building and safety codes governing the use and disposal of material vary.

STORAGE

Polyurethane Rigid Foam should be stored out of direct sun light in a cool, dry area. Protect from freezing, avoid extreme temperatures and store between 40°F. to 100°F range. Keep container tightly closed when not in use. Do not reseal applicator contaminated by moisture. Open containers of material should be used quickly to avoid moisture contamination.

PACKAGING

22 oz. Dual cartridges

