



TeraPROOF™ STP LIQUID MEMBRANE

Commercial Product Data Sheet

Siplast® TeraPROOF™ STP Liquid Membrane is a liquid-applied flexible membrane waterproofing using silane terminated polymer (STP) chemistry. TeraPROOF STP Liquid Membrane is a high-solids, single-component used in post applied membrane applications for vertical and horizontal waterproofing such as concrete foundation walls, split slabs, inverted roof areas, planters, equipment wells, and other underground construction. TeraPROOF STP Liquid Membrane can be used in conjunction with Pro Fleece for reinforcement of the membrane or detail areas.

USES: WATERPROOFING MEMBRANE

Composition	Liquid applied, high-solids, moisture cure, single-component, silane terminated polymer (STP) membrane
Packaging	5 gallon pail
Coverage Rate*	25 sf/gallon (at 60 wet mils) 18 sf/gallon (at 90 wet mils) 13 sf/gallon (at 120 wet mils) 8.9 sf/gallon (at 180 wet mils) 7.5 sf/gallon (at 215 wet mils)

*Dependent on substrate conditions (temperature and moisture), substrate porosity, application.

PRODUCT INFORMATION

Application and Features

Refer to the Siplast Installation Guide for detailed application information of Siplast TeraPROOF Liquid Membrane.



Storage and Handling

Siplast TeraPROOF STP Liquid Membrane products should be stored in a clean, dry environment, 40°F to 90°F (5°C to 32°C). The shelf life is 12 months for an unopened container from the date of manufacture. Store opened containers with a plastic protective liner to slow cure rate. Before reusing a previously opened container, first remove any cured material that may have formed (skinned over) at the top. Do not double stack pallets. Dispose of unused product and containers in accordance with local, state and federal regulations.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

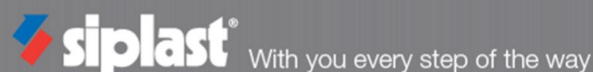
Pail Weight: 56 lb (25.4 kg)
Pails Per Pallet: 36
Max Pallet Weight: 2016 lbs (914.4 kg)

Listings, Approvals, & Certifications



TeraPROOF STP LIQUID MEMBRANE

Physical and Mechanical Properties



Property (as Manufactured)	Test method	Min. Values	Typical Values
Hardness	ASTM D2240	≥ 50	77
Weight Loss	ASTM D6511	≤ 5%	0.95%
Tensile Strength	ASTM D412 (Die C)	Report	217 psi
Elongation	ASTM D412 (Die C)	Report	392%
Resistance to Water	ASTM C836	No emulsification	Pass
Remain in Place During Application	ASTM C836	60 ± 5 mils	Pass
Water Vapor Transmission - Desiccant Method	ASTM E96 - Procedure A @ 60 mils	≤ 1.0 perms	0.0 perms
Water Vapor Transmission - Inverted Wet Method	ASTM E96 - Procedure BW @ 60 mils	≤ 1.0 perms	0.4 perms
Adhesion Strength (after 7 days of water immersion)	ASTM C836	≥ 3.0 lbf	Mortar - 15.4 lbf Green Mortar - 12.7 lbf
Low Temperature Crack Bridging	ASTM C836 (ASTM C1305)	No cracking	Pass
Low Temperature Flexibility	ASTM D522	No cracking	Pass
Cure Through at Low Temperature (72 hrs.)	ASTM D8463	No uncured material at interface	Pass
Extensibility After Heat Aging	ASTM C836	No cracking	Pass
Resistance to Decay	ASTM E154	<10% weight loss <1 US perm A and BW Hydrostatic resistance	Pass
Solids	ASTM D2369	Report	>95% Solids
High Solids, Cold Liquid-Applied Elastomeric Silyl-Terminated Polymer Based Waterproofing Membrane for Use with Separate Wearing Course	ASTM D8463	Pass all criteria	Pass
High Solids, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course	ASTM C836	Pass all criteria	Pass
Cold, Liquid-Applied, Below-Grade, Exterior Dampproofing and Waterproofing Materials	AC 29	Pass all criteria	Pass

Data is based upon typical product performance and is subject to normal manufacturing and packaging tolerance and variation.