TeraPROOF™ PRE-APPLIED H-SBS MEMBRANE

Commercial Product Data Sheet

Siplast® TeraPROOF™ Pre-Applied H-SBS Membrane is a modified bitumen membrane for horizontal waterproofing applications. Designed for use in below grade waterproofing systems prior to the placement of concrete, TeraPROOF Pre-Applied H-SBS consists of a 250-gram polyester mat impregnated and coated with a styrene-butadiene-styrene (SBS) modified bitumen. The top side is surfaced with fine mineral aggregate and the back surface is coated with an SBS modified bitumen adhesive layer specifically formulated for torch lap sealing applications with a polyolefin burn-off film bottom surface.

USES:
PRE-APPLIED WATERPROOFING

Roll Length	32.8 ft (10 m)
Roll Width	3.28 ft (1 m)
Coverage Per Roll	99 sq ft (9.2 m^2)
Laying Lines	4 in (100 mm) Line Color: White
Top Surfacing	Fine Mineral Aggregate
Back Surfacing	Polyolefin Burn-off Film

PRODUCT INFORMATION

Application and Features

Refer to the applicable Siplast Installation Guide for detailed application information of Siplast TeraPROOF Pre-Applied H-SBS Membrane.

Storage and Handling

All Siplast roll waterproofing products should be stored on end on a clean flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All waterproofing products should be stored in a dry place out of direct exposure to the elements and should not be double stacked. Material should be handled so that it remains dry prior to and during installation.

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

Packaging

Roll Weight (Nominal): 85 lb (39 kg)
Rolls Per Pallet: 23
Max Pallet Weight: 2360 lbs (1071 kg)

Listings, Approvals, & Certifications

ICC-ES AC527 Evaluated

Siplast
14911 Quorum Dr., Suite 600
Dallas, TX 75254

201 Bewicke Ave., Suite 208
North Vancouver, BC, Canada V7M 3M7

Customer Service in North America
1.800.922.8800 www.siplast.com

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Physical and Mechanical Properties

siplast With you every step of the way

Property (as Manufactured)	Test Method	Min. Values	Typical Values
Thickness	ASTM D5147	≥ 6 mils	165 mils (4.2 mm)
Tensile Strength @ 73.4°F (23°C)	ASTM D882	Report	MD - 144 lbf/in XD - 114 lbf/in
Elongation @ Peak Load 73.4°F (23°C)	ASTM D412	≥ 25% per AC 527	MD (Reinforced): 54% - Pass XD (Reinforced): 64% - Pass
Puncture Resistance	ASTM E154 Section 10	≥80 lbf per AC 527	369 lbf
Tear Resistance	ASTM D624	Report	MD - 221 lbf XD - 221 lbf
Water Absorption (maximum)	ASTM D570	≤3% per AC 527	0.2%
Adhesion to concrete/masonry	ASTM D903	≥5 lbf per AC 527	Pass
Water Vapor Permeance	ASTM E96 Method B	≤0.1 perms per AC 527	0.08 perms
Lap T-Peel Strength	ASTM D1876	≥5 lbf per AC 527	Side Lap - 23 lbf End Lap - 13 lbf
Low Temperature Flexibility (maximum)	ASTM D1970	No cracking	-20°F (-29°C)
Methane Gas Permeability	ASTM D1434	Report	$4.58*10^{-7}$ ft^2/hr ($1.18*10^{-7}$ cm^2/sec)
Below Grade Waterproofing Acceptance Criteria	AC527	Pass all criteria	Pass

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