

TERANAP - 1M FILM



Commercial Product Data Sheet

Product Description

Teranap 1M Film is a high performance modified bitumen waterproofing ply designed for use in homogeneous multi-layer modified bitumen plaza deck waterproofing membrane systems. Teranap consists of a nonwoven polyester mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. The surface of the sheet is protected by a polyester film.

Product Uses

Teranap 1M Film is the surface sheet in multi-layer plaza deck waterproofing systems, and is lapped 4 inches (10.2 cm) side and end. Teranap 1M Film is torch applied to approved substrates. Contact Siplast for specific approval on other product uses.

Product Approvals

Teranap ballasted roof systems are approved by FM Approvals for use over insulated and non-insulated concrete roof deck constructions, subject to FM conditions and limitations.

Teranap ballasted roof systems have been classified by Underwriters Laboratories as Class A roofing systems over insulated and non-insulated non-combustible roof decks.

Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at www.Siplast.com.

COMMERCIAL PRODUCT INFORMATION

Unit:	Roll	
Coverage:	0.75 Square	(7.0 m ²)
Weight Per Square:	Min: 113 lb	(5.5 kg/m ²)
Roll Length:	Min: 26.0 ft	(7.92 m)
Roll Width:	Avg: 3.28	(1.00 m)
Thickness:	Avg: 157 mils	(4.0 mm)
	Min: 154 mils	(3.9 mm)
Selvage Width:	4 inches (100 mm)	
Selvage Surfacing:	Polyolefin Release Tape	
Top Surfacing:	Polyester Film	
Back Surfacing:	Silica Parting Agent	

Packaging: Rolls are wound onto a compressed paper tube. The rolls are placed upright in open topped crates cushioned with cardboard and polystyrene. The top of the palletted rolls is covered with foiled Kraft paper. The palletted material is protected by a heat shrink polyethylene shroud.

Pallet: 41 in X 48 in (104 cm X 122 cm) wooden pallet
Number Rolls Per Pallet: 25
Number Pallets Per Truckload: 18
Minimum Shipping Weight Per Roll: 85 lb (38.6 kg)

Storage and Handling: All Siplast roll waterproofing products should be stored on end on a clean flat surface. Care should be taken that rolls are not dropped on ends or edges and are not stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All waterproofing should be stored in a dry place, out of direct exposure to the elements, and should not be double stacked. Material should be handled in such a manner as to ensure that it remains dry prior to and during installation.

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Physical and Mechanical Properties

Property (as Manufactured)	Values/Units	Test Method
Thickness (minimum)	154 mils (3.9 mm)	ASTM D 5147 section 5
Thickness (average)	157 mils (4.0 mm)	ASTM D 5147 section 5
¹ Peak Load @ 73°F (average)	60 lbf/inch (10.5 kN/m)	ASTM D 5147 section 6
¹ Peak Load @ 0°F (average)	115 lbf/inch (20.1 kN/m)	ASTM D 5147 section 6
¹ Elongation @ Peak Load, 73°F (average)	65%	ASTM D 5147 section 6
¹ Elongation @ Peak Load, 0°F (average)	40%	ASTM D 5147 section 6
¹ Elongation at 5% Peak Load @ 73°F (average)	100%	ASTM D 5147 section 6
¹ Tear Strength (average)	100 lbf (0.45 kN)	ASTM D 5147 section 7
Water Absorption (maximum)	1%	ASTM D 5147 section 9
Dimensional Stability (maximum)	<0.5%	ASTM D 5147 section 10
Low Temperature Flexibility (maximum)	-13°F (-25°C)	ASTM D 5147 section 11
High Temperature Stability (minimum)	250°F (121°C)	ASTM D 5147 section 15

1. The value reported is the lower of either MD or XD.