

TERANAP - 1M SAND



Commercial Product Data Sheet

Product Description

Teranap 1M Sand 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 fiberglass scrim/polyester mat composite impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. The top and bottom surfaces of the sheet are covered with a silica parting agent.

Teranap 1M Sand is available with Siplast RoofTag RFID roof asset technology on a Special-Made-To-Order basis. See RoofTag Commercial Product Data Sheet for more information.

Product Uses

Teranap 1M Sand is the surface sheet in multi-layer plaza deck waterproofing systems, protected membrane systems, and vegetative roof system and is lapped 4 inches (10.2 cm) side and end. Teranap 1M Sand can be applied with a torch, PA-311 Adhesive, SFT Adhesive, or hot asphalt 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 1 M Sand meets or exceeds the requirements of ASTM D 6162 Type II, Grade S and CSA A123.23-15 Type C, Grade 1 for SBS-modified bituminous sheet materials using a polyester reinforcement.

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

COMMERCIAL PRODUCT INFORMATION

Unit:	Roll		
Coverage:	0.75 Square	(7.0 m ²)	
Weight Per Square:	Min: 116 lb	(5.7 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:	N/A		
Selvage Surfacing:	Silica Parting Agent		
Top Surfacing:	Silica Parting Agent		
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 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: 87 lb (39.5 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

UNITED STATES TEST STANDARDS			CANADA TEST STANDARDS	
Property (as Manufactured)	Values/Units	Test Method	Property (as manufactured)	Test Method CSA A123.23-15 Values/Units
Thickness (minimum)	154 mils (3.9 mm)	ASTM D 5147 section 6	Thickness (minimum)	3.9 mm (154 mils)
Thickness (average)	157 mils (4.0 mm)	ASTM D 5147 section 6	Thickness (average)	4.0 mm (157 mils)
¹ Peak Load @ 73°F (average)	80 lbf/inch (14.0 kN/m)	ASTM D 5147 section 7	¹ Peak Load @ 73°F (average)	14.0 kN/m (80 lbf/inch)
¹ Peak Load @ 0°F (average)	115 lbf/inch (20.1 kN/m)	ASTM D 5147 section 7	¹ Peak Load @ 0°F (average)	115 lbf/inch (20.1 kN/m)
¹ Elongation @ Peak Load, 73°F (average)	40%	ASTM D 5147 section 7	¹ Elongation @ Peak Load, 73°F (average)	40%
¹ Elongation @ Peak Load, 0°F (average)	40%	ASTM D 5147 section 7	¹ Elongation @ Peak Load, 0°F (average)	40%
¹ Elongation at 5% Peak Load @ 73°F (average)	100%	ASTM D 5147 section 7	¹ Elongation at 5% Peak Load @ 73°F (average)	100%
¹ Tear Strength (average)	100 lbf (0.45 kN)	ASTM D 5147 section 8	Strain Energy (before and after conditioning) @ 23°C (73°F) @ -18°C (0°F)	≥ 5.5 kN/m (≥ 31 lbf/in) ≥ 3.0 kN/m (≥ 17 lbf/in)
Water Absorption (maximum)	1%	ASTM D 5147 section 10	N/A	N/A
Dimensional Stability (maximum)	<0.5%	ASTM D 5147 section 11	Dimensional Stability (maximum)	<0.5%
Low Temperature Flexibility (maximum)	-15°F (-26°C)	ASTM D 5147 section 12	Low Temperature Flexibility (maximum)	-26°C (-15°F)
Compound Stability (minimum)	250°F (121°C)	ASTM D 5147 section 16	Compound Stability (minimum)	121°C (250°F)
			Mass Per Unit Area (Minimum)	5.7 kg/m ² (116 lb/sq)

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