

## Commercial Product Data Sheet

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### Product Description

Teranap 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 is the surface sheet in multi-layer plaza deck waterproofing systems, and is lapped 6 inches (15.2 cm) side and end. Teranap is torch applied to approved substrates. Contact Siplast for specific approval on other product uses.

*Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at [www.Siplast.com](http://www.Siplast.com).*

### COMMERCIAL PRODUCT INFORMATION

Unit:	Roll		
Coverage:	4.0 Squares	(38.1 m <sup>2</sup> )	
Coverage Weight Per Square:	Min: 105 lb	(5.1 kg/m <sup>2</sup> )	
Roll Length:	Min: 65.6 ft	(20 m)	
Roll Width:	Avg: 6.56 ft	(2.00 m)	
Thickness:	Avg: 157 mils	(4.0 mm)	
	Min: 154 mils	(3.9 mm)	
Selvage Width: 6 inches (152 mm)			
Selvage Surfacing: Polyolefin Film			
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.

Crate: 48 in X 48 in X 48 in open-topped wooden crate  
Number Rolls Per Crate: 9  
Number Crates Per Truckload: 10  
Shipping Weight Per Roll: 418 lb (189.6 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.

# TERANAP

## Physical and Mechanical Properties

<b>Property (as Manufactured)</b>	<b>Values/Units</b>	<b>Test Method</b>
Thickness (minimum)	154 mils (3.9 mm)	ASTM D 5147 section 5
Thickness (average)	157 mils (4.0 mm)	ASTM D 5147 section 5
<sup>1</sup> Peak Load @ 73°F (average)	60 lbf/inch (10.5 kN/m)	ASTM D 5147 section 6
<sup>1</sup> Peak Load @ 0°F (average)	95 lbf/inch (16.6 kN/m)	ASTM D 5147 section 6
<sup>1</sup> Elongation @ Peak Load, 73°F (average)	65%	ASTM D 5147 section 6
<sup>1</sup> Elongation @ Peak Load, 0°F (average)	40%	ASTM D 5147 section 6
<sup>1</sup> Elongation at 5% Peak Load @ 73°F (average)	95%	ASTM D 5147 section 6
<sup>1</sup> 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)	<1%	ASTM D 5147 section 10
Low Temperature Flexibility (maximum)	-13°F (-25°C)	ASTM D 5147 section 11
High Temperature Stability (minimum)	225°F (107°C)	ASTM D 5147 section 15

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