

# TERANAP GTX



## Commercial Product Data Sheet

### Product Description

Teranap GTX is a high performance modified bitumen geomembrane waterproofing ply designed for use in geotechnical applications requiring additional subgrade protection or direct concrete placement. Teranap GTX consists of a nonwoven polyester mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. The surface of the sheet is covered by a 300 g/m<sup>2</sup> non-woven polypropylene geotextile and the bottom is protected by a polyester film.

### Product Uses

Teranap GTX is a waterproofing sheet used in geotechnical waterproofing applications, and is lapped 8 inches (20.24 cm) side and end. Teranap GTX is loose laid and secured by means of a trench or mechanical fixation at the top of the slope. The non-woven polypropylene geotextile surface is not designed for prolonged exposure to UV and should be covered within a week of installation. Contact Siplast for specific approval on other product uses.

### COMMERCIAL PRODUCT INFORMATION

Unit:	Roll		
Coverage:	2,883 sq ft	(268 m <sup>2</sup> )	
Coverage Weight Per Square:	Min: 100 lb	(4.9 kg/m <sup>2</sup> )	
Roll Length:	Min: 219.8 ft	(67 m)	
Roll Width:	Avg: 13.1 ft	(4.0 m)	
Total Thickness:	Avg: 189 mils	(4.8 mm)	
Selvage Thickness:	Avg: 130 mils	(3.3 mm)	
Selvage Width:	8 inches (202 mm)		
Selvage Surfacing:	Removable Kraft Paper		
Top Surfacing:	300g Non-woven geotextile		
Back Surfacing:	Polyester film – anti piercing		

Number Rolls Per Container: 9

Shipping Weight Per Roll: 2900 lb (1318 kg)

**Storage and Handling:** Teranap GTX geomembrane rolls need to be stored horizontally with the ends supported to keep the membrane off the ground. Care should be taken that rolls are not dropped on ends or edges. 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 GTX 4M rolls are wound onto a metal mandrel 4.8 meters long (15.75 ft) and have an internal diameter of 6.26 in. (159 mm) for handling.

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## Physical and Mechanical Properties

<b>Property (as Manufactured)</b>	<b>Values/Units</b>	<b>Test Method</b>
Total Thickness (average)	189 mils (4.8 mm)	ASTM D 5147 section 6
Selvage Thickness (average)	130 mils (3.3 mm)	ASTM D 5147 section 6
<sup>1</sup> Peak Load @ 73°F (average)	100 lbf/in (17.5 kN/m)	ASTM D 5147 section 7
<sup>1</sup> Elongation @ Peak Load, 73°F (average)	45%	ASTM D 5147 section 7
Water Absorption (maximum)	1%	ASTM D 5147 section 10
Dimensional Stability (maximum)	0.5%	ASTM D 5147 section 11
Low Temperature Flexibility (maximum)	-15°F (-26°C)	ASTM D 5147 section 12
High Temperature Stability (minimum)	225°F (107°C)	ASTM D 5147 section 16

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