


USES:
BITUMINOUS GEOMEMBRANE

TERANAP® 1M GS

Commercial Product Data Sheet

Teranap 1M GS is a high performance modified bitumen geomembrane waterproofing ply designed for use in homogeneous multi-layer modified bitumen plaza deck waterproofing membrane systems. Teranap 1M GS consists of a fiberglass scrim reinforced/polyester mat composite impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen.

Contact Siplast for information on approved product uses.

PRODUCT INFORMATION

Application

Refer to the applicable Siplast Technical Guide for detailed application information and slope limitations. Teranap 1M GS is lapped 4 inches (102 mm) side and end.

Storage and Handling

All Siplast 1 meter geomembrane 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 roofing 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

Pallet: 41 in x 48 in (104 cm x 122 cm) wooden pallet
Rolls Per Pallet: 20
Pallets Per Truckload: 18
Minimum Roll Weight: 106 lb (48.1 kg)

Standard	ASTM D6162 Type II, Grade G
Roll Length	Min: 26 ft (7.92 m)
Roll Width	Avg: 3.28 ft (1.0 m)
Coverage	0.75 Square (7.0 m ²)
Coverage Weight per Square	Min: 141 lb (6.9 kg/m ²)
Thickness	Avg: 180 mils (4.6 mm)
Thickness at Selvage	Avg: 157 mils (4.0 mm) Min: 154 mils (3.9 mm)
Laying Lines	4 in (102 cm) Line Color: Blue
Selvage Surfacing	Silica Parting Agent
Top Surfacing	No. 11 Ceramic Granules (Standard Color Finish: #A720 Bone White)
Back Surfacing	Silica Parting Agent

Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com
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U.S. TEST STANDARDS

Property (as Manufactured)	Values / Units	Test Method
Thickness (minimum)	180 mils (4.6 mm)	ASTM D5147 Section 5
*Thickness at Selvage (minimum) (average)	154 mils (3.9 mm) 157 mils (4.0 mm)	ASTM D5147 Section 5
*Peak Load @ 73.4°F (23°C) (average)	80 lbf/inch (14.0 kN/m)	ASTM D5147 Section 6
*Peak Load @ 0°F (-18°C) (average)	115 lbf/inch (20.1 kN/m)	ASTM D5147 Section 6
*Elongation @ Peak Load 73.4°F (23°C) (average)	40%	ASTM D5147 Section 6
*Elongation @ Peak Load 0°F (-18°C) (average)	40%	ASTM D5147 Section 6
*Ultimate Elongation @ 73.4°F (23°C) (average)	100%	ASTM D5147 Section 6
*Tear Strength (average)	100 lbf (0.45 kN)	ASTM D5147 Section 7
Water Absorption (maximum)	1%	ASTM D5147 Section 9
Dimensional Stability (maximum)	0.1%	ASTM D5147 Section 10
Low Temperature Flexibility (maximum)	-5°F (-21°C)	ASTM D5147 Section 11
Granule Embedment Maximum Average Loss Maximum Individual Loss	1.5 g per sample 2.0 g per sample	ASTM D5147 Section 14
High Temperature Stability (minimum)	250°F (121°C)	ASTM D5147 Section 15
Cyclic Fatigue	Teranap 1M GS utilized as a single-layer membrane or bonded to an acceptable Terabase or Paradiene 20 base sheet, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning, according to ASTM D5147.	
*The value reported is the lower of either MD or XD.		

CANADA TEST STANDARDS

Property (as Manufactured)	Values / Units	Test Method
Thickness (minimum)	4.4 mm (180 mils)	CSA A123.23-15
*Thickness at Selvage (minimum) (average)	3.9 mm (164 mils) 4.0 mm (157 mils)	CSA A123.23-15
*Peak Load @ 23°C (73.4°F) (average)	14.0 kN/m (80 lbf/inch)	CSA A123.23-15
*Peak Load @ -18°C (0°F) (average)	20.1 kN/m (115 lbf/inch)	CSA A123.23-15
*Elongation @ Peak Load 23°C (73.4°F) (average)	40%	CSA A123.23-15
*Elongation @ Peak Load -18°C (0°F) (average)	40%	CSA A123.23-15
*Ultimate Elongation @ 23°C (73.4°F) (average)	100%	CSA A123.23-15
Strain Energy (before & after conditioning) @ 23°C (73.4°F) @ -18°C (0°F)	≥5.5 kN/m (≥31 lbf/in) ≥3.0 kN/m (≥17 lbf/in)	CSA A123.23-15
Dimensional Stability (maximum)	0.5%	CSA A123.23-15
Low Temperature Flexibility (maximum)	-21°C (-5°F)	CSA A123.23-15
Granule Embedment Maximum Average Loss Maximum Individual Loss	1.5 g per sample 2.0 g per sample	CSA A123.23-15
High Temperature Stability (minimum)	121°C (250°F)	CSA A123.23-15
Mass Per Unit Area (minimum)	6.9 kg/m ² (141 lb/sq)	CSA A123.23-15
*The value reported is the lower of either MD or XD.		