

TERABASE TG



Commercial Product Data Sheet

Product Description

Terabase TG is a high performance torch grade modified bitumen base ply designed for use in homogeneous multi-layer modified bitumen plaza deck and green roof membrane systems. Terabase TG consists of a lightweight random fibrous glass mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. The top surface is covered with a silica parting agent, and the back surface is coated with a high performance modified asphalt adhesive layer specifically formulated for torch applications. The adhesive layer is manufactured using a special process that embosses the surface with a grooved pattern to provide optimum burnoff of the plastic film and maximize application rates.

Product Uses

Terabase TG is the first ply of all torch applied Teranap plaza deck and green roof systems, and is lapped 3 inches (7.6 cm) side and end. Terabase TG is torch applied to approved substrates. Contact Siplast for specific approval on product uses.

Product Approvals

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

Siplast Teranap/Terabase (TG) 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:	1.0 Square	(9.3 m ²)
Coverage Weight Per Square:	Min: 76 lb	(3.7 kg/m ²)
Roll Length:	Min: 33.5 ft	(10.21 m)
Roll Width:	Avg: 3.28 ft	(1.00 m)
Thickness:	Avg: 114 mils	(2.9 mm)
	Min: 110 mils	(2.8 mm)
Selvage Width:	N/A	
Selvage Surfacing:	N/A	
Top Surfacing:	Silica Parting Agent	
Back Surfacing:	Polyethylene Film	

Lines: Two laying lines are placed 3 in (7.6 cm) and 4 in (10.2 cm) from each edge of the material. The line color for this material is white.

Packaging: Rolls are wound onto a compressed paper tube. The rolls are placed upright on pallets cushioned with corrugated cardboard and are adhered with adhesive at the labels. The top of the palleted rolls is covered with foiled Kraft paper. The palleted material is protected by a heat shrink polyethylene shroud.

Pallet: 41 in X 48 in (104 cm X 122 cm) wooden pallet.

Number of Rolls Per Pallet: 25

Number of Pallets Per Truckload: 18

Minimum Roll Weight: 76 lb (34.5 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 roofing 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)	110 mils (2.8 mm)	ASTM D 5147 section 5
Thickness (average)	114 mils (2.9 mm)	ASTM D 5147 section 5
¹ Peak Load @ 73°F (average)	30 lbf/inch (5.3 kN/m)	ASTM D 5147 section 6
¹ Peak Load @ 0°F (average)	75 lbf/inch (13.2 kN/m)	ASTM D 5147 section 6
¹ Elongation @ Peak Load, 73°F (average)	3%	ASTM D 5147 section 6
¹ Elongation @ Peak Load, 0°F (average)	3%	ASTM D 5147 section 6
¹ Elongation at 5% Peak Load @ 73°F (average)	50%	ASTM D 5147 section 6
¹ Tear Strength (average)	40 lbf (0.18 kN)	ASTM D 5147 section 7
Water Absorption (maximum)	1%	ASTM D 5147 section 9
Dimensional Stability (maximum)	0.1%	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
Coating Thickness - Back Surface	≥ 40 mils (1 mm)	ASTM D 5147 section 16

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