

IREX 40



Commercial Product Data Sheet

Product Description

Irex 40 is a high performance, heavy duty base sheet or base ply designed for use with Veral and other torchable roof membrane systems. Irex 40 consists of a lightweight random fibrous glass mat impregnated and coated with a specially formulated, styrene-butadiene-styrene (SBS) modified bitumen.

Irex 40 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

Irex 40 is used as a ply sheet or base sheet depending on specification requirements for Siplast Veral and other Siplast Roof Systems. Irex 40 is lapped 3 inches (7.6 cm) side and end when applied in approved Type IV asphalt or by torching. In nailable applications, Irex 40 is lapped 4 inches (10.2 cm) side and end, and is mechanically fastened according to Siplast requirements. Contact Siplast for specific approval on other product uses.

Product Approvals

Irex 40 is approved by FM Approvals (FM Standard 4470) for use in Veral Class 1 insulated steel roof deck constructions and insulated and non-insulated concrete roof deck constructions, subject to FM conditions and limitations.

Irex 40 has been classified by Underwriters Laboratories as a UL Rated G2 Base Sheet. Irex 40 is approved by Underwriters Laboratories for use in cUL_{us} Classified Siplast Veral Roof Systems. Veral has been classified by Underwriters Laboratories as a Class A roofing system over non-combustible, insulated non-combustible, insulated combustible, and combustible decks.

Irex 40 meets or exceeds the requirements of ASTM D 6163 Type I, Grade S, and CSA A123.23-15 Type A, Grade 2 for SBS-modified bituminous sheet materials using glass fiber reinforcements.

Siplast Roof Systems also have received the approval of many regional and local authorities. Please contact Siplast for specific information as required.

COMMERCIAL PRODUCT INFORMATION

Unit:	Roll		
Coverage:	1.0 Square	(9.3 m ²)	
Coverage Weight Per Square:	Min:	85 lb	(4.1 kg/m ²)
Roll Length:	Min:	34 ft	(10.36 m)
Roll Width:	Avg:	3.28 ft	(1.0 m)
Thickness:	Avg:	110 mils	(2.8 mm)
	Min:	106 mils	(2.7 mm)
Selvage Width:	N/A		
Selvage Surfacing:	N/A		
Top Surfacing:	Silica Parting Agent		
Back Surfacing:	Silica Parting Agent		
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 blue.		

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 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 Rolls Per Pallet: 25
Number Pallets Per Truckload: 18
Minimum Roll Weight: 85 lb (38.6 kg)

Storage and Handling: All Siplast roll roofing 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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Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at www.Siplast.com.

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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)	106 mils (2.7 mm)	ASTM D 5147 section 6	Thickness (minimum)	2.7 mm (106 mils)
Thickness (average)	110 mils (2.8 mm)	ASTM D 5147 section 6	Thickness (average)	2.8 mm (110 mils)
¹ Peak Load @ 73°F (23°C) (average)	45 lbf/inch (7.9 kN/m)	ASTM D 5147 section 7	¹ Peak Load 23°C (73°F) (average)	7.9 kN/m (45 lbf/inch)
¹ Peak Load @ 0°F (-17°C) (average)	80 lbf/inch (14.1 kN/m)	ASTM D 5147 section 7	¹ Peak Load @ -17°C (0°F) (average)	14.1 kN/m (80 lbf/inch)
¹ Elongation @ Peak Load, 73°F (23°C) (average)	3%	ASTM D 5147 section 7	¹ Elongation @ Peak Load, 23°C (73°F) (average)	3%
¹ Elongation @ Peak Load, 0°F (-17°C) (average)	2%	ASTM D 5147 section 7	¹ Elongation @ Peak Load, -17°C (0°F) (average)	2%
¹ Tear Strength (average)	60 lbf (0.27 kN)	ASTM D 5147 section 8	N/A	N/A
Water Absorption (maximum)	1%	ASTM D 5147 section 10	N/A	N/A
Dimensional Stability (maximum)	0.1%	ASTM D 5147 section 11	Dimensional Stability (maximum)	0.1%
Low Temperature Flexibility (maximum)	0°F (-18°C)	ASTM D 5147 section 12	Low Temperature Flexibility	-18°C (0°F)
Compound Stability (minimum)	215°F (102°C)	ASTM D 5147 section 16	Compound Stability (minimum)	102°C (215°F)
Coating Thickness - Back Surface	≥ 40 mils (1 mm)	ASTM D 5147 section 17	Coating Thickness - Back Surface	1 mm (≥ 40 mils)
			Mass Per Unit Area (minimum)	4.1 kg/m ² (85 lb/sq)

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