

# 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, high quality, oxidized asphalt.

### 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 Factory Mutual Research (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 <sub>c</sub>UL<sub>us</sub> 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.

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 <sup>2</sup> )	
Coverage Weight Per Square:	Min:	85 lb	(4.1 kg/m <sup>2</sup> )
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 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 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.

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

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## Physical and Mechanical Properties

<b>Property (as Manufactured)</b>	<b>Values/Units</b>	<b>Test Method</b>
Thickness (minimum)	106 mils (2.7 mm)	ASTM D 5147 section 5
Thickness (average)	110 mils (2.8 mm)	ASTM D 5147 section 5
<sup>1</sup> Peak Load @ 73°F (average)	45 lbf/inch (7.9 kN/m)	ASTM D 5147 section 6
<sup>1</sup> Peak Load @ 0°F (average)	80 lbf/inch (14.1 kN/m)	ASTM D 5147 section 6
<sup>1</sup> Elongation @ Peak Load, 73°F (average)	3%	ASTM D 5147 section 6
<sup>1</sup> Elongation @ Peak Load, 0°F (average)	2%	ASTM D 5147 section 6
<sup>1</sup> Tear Strength (average)	60 lbf (0.27 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
High Temperature Stability (minimum)	200°F (93°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.