

FOIL-FACED CARRIER LAYER PRODUCT DATA SHEET



PRODUCT & APPLICATION TOOLS



PRODUCT CODE	ROLL DIMENSIONS	GROSS COVERAGE
107116-SC	42.5 in x 131.2 ft (1.08m x 40m)	+/- 465 ft ² (+/- 43.2 m ²)

DESCRIPTION

Impermitek's Foil-Faced Carrier Layer is an aluminum self-adhered fiberglass reinforced elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen membrane approved for use in Impermitek roofing and waterproofing assemblies as a vapor retarder or Base Ply for Impermitek liquid applied membranes.

The Foil-Faced Carrier Layer is recommended when applying Impermitek's IR-26 or IR-Eco polymer resin membranes to wood or OSB, rigid roof insulation or coverboards, and over metal roof recovers. It can also be used over highly porous or rough surfaces as an alternative to priming, providing a smoother surface that requires less resin material.

FEATURES

- Base Ply
- Can be used with Impermitek's IR-26 Polymer Resin and IR-Eco Polymer Resin

STORAGE

Store rolls in an upright position to prevent damage. Do not double stack pallets. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. For prolonged storage, store indoors within 55 - 80°F (12.8 - 26.7°C). Approximate shelf life is 12 months from date of manufacturing when properly stored.

WARNINGS

Product must remain clean and dry during storage and use.

Substrates must clean, dry, and receive the specified self-adhesive primer prior to installation. Surface must be appropriately prepared to ensure proper adhesion.

Ambient and surface temperatures must be between 41 -113°F (5 - 45°C). Do not attempt application if ice, snow, moisture or dew are present. Temperatures should be a minimum of 5 degrees above dew point.

Membrane should NOT be left exposed directly in the sun for periods exceeding 7 days.

APPLICATION

Surface must be clean, dry, smooth and free from contaminants. Prior to installation, unroll the Foil Faced Carrier Layer onto the substrate and allow sheet to relax. Apply a coat of Impermitek's Self-Adhesive Primer (roller or spray applied) as per manufacturer's instructions and allow it to cure.

Roll out the required length always working with the roof slope (matting should run perpendicular to the roof slope or be applied bottom up) wherever possible to avoid backwater laps.

Place the Foil Faced Carrier Layer in desired position. Remove the protective release film from the underside of the sheet and roll Foil Faced Carrier Layer into place with a weighted roller.

For roofing & waterproofing applications, Impermitek's Foil Faced Carrier Layer rolls should have a minimum of 2.5-3in (60-80 mm) overlap at side laps and 6-in (150 mm) at end laps.

For full application instructions, please refer to the Foil Faced Carrier Layer System Manual.

SAFETY & HANDLING

Please, refer to the relevant Safety Data Sheet (SDS) prior to handling or use. Use materials in strict accordance with published recommendations. Dispose of waste materials in accordance with local, state, and federal regulations.

TECHNICAL ASSISTANCE

For further information, please contact Impermitek Technical Services at +1 (780) 906-4600 or technical@impermitek.com. More information can also be found at www.impermitek.com.

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PROPERTIES	
Property	Value
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Top surfacing	24 mil (0.6 mm) Foil Film
Back surfacing	Self-adhered with release film
Selvage surfacing	Self-adhered with release film
Selvage width, in (mm)	3 (76)

DIMENSIONS & MASS		
Property	Value	ASTM Test Method
Length, ft (m)	49.2 (15.0)	D5147
Width, in (m)	39.4 (1.0)	D5147
Gross Coverage,* ft ² (m ²)	465 (33.9)	D5147
Roll Weight, lb (kg)	+/-62 (+/-28)	D5147
Rolls per Pallet	25	D5147
Pallet Weight, lb (kg)	1,550 (700)	D5147
Thickness (Minimum), mils (mm)	~24 (0.6)	D5147
Shelf Life, Months	12	D5147

***Note:** Coverage rate as reported assumes installation using side and end lap recommendations.

PHYSICAL PROPERTIES		
Property	Value	Test Method
Resistance to Static Loading (Soft Support)	5 kg	EN12730-A
Resistance to Static Loading (Rigid Support)	20kg	EN12730-B
Resistance to Tearing: Longitudinal Transversal	190 N 190 N	EN12310-1
Tensile Strength: Longitudinal Transversal	>600N/50mm >600N/50mm	EN12311-1
Elongation at Break: Longitudinal Transversal	>5% >5%	EN12311-1
Peel Resistance of Joints	40N / 50mm	EN12316-1
Sheer Resistance at Joints: Longitudinal Transversal	>400N/50mm >400N/50mm	EN12317-1
Impermeability	Pass ≥60Kpa	EN1928
Water Vapor Impermeability	>1.500m	EN12572

***Note:** Data is represented by average values, unless noted otherwise.

Please, refer to Impermitek's installation recommendations, application manuals, and guide specifications for complete information regarding the suitability, application, use, and handling of Impermitek products.

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