

STANDARD SELF-ADHERED BASE PLY PRODUCT DATA SHEET



PRODUCT & APPLICATION TOOLS



PRODUCT CODE	ROLL DIMENSIONS	GROSS COVERAGE
107117	38 in x 172.6 ft (96.5 cm x 52.6 m)	+/-161 ft ² (+/-15 m ²)
107117-US	39.4 in x 49.2 ft (1 m x 15 m)	+/-161.5 ft ² (+/-15 m ²)

DESCRIPTION

Impermitek's Standard Self-Adhered Base Ply is a sand surfaced fiberglass reinforced elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen membrane approved for use in roofing and waterproofing assemblies as a vapor retarder or Base Ply for Impermitek's liquid applied membranes.

The Self-Adhered Base Ply is recommended when applying Impermitek's IR-26 or IR-Eco membranes on to plywood, rigid roof insulation/coverboards, and over metal roof recovers. It can also be used over highly porous or rough surfaces as an alternative to priming and/or to provide a smoother surface that requires less resin material.

FEATURES

Can be used with the following systems:

- IR-26
- IR-Eco

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. Storage temperature range should be between 55 - 80°F (12.8 - 26.7°C). For prolonged storage store indoors at recommended temperatures. Approximate shelf life is 12 months from date of manufacturing when properly stored.

WARNINGS

Product must remain clean and dry during storage and use. Adequate surface preparation is the key to proper adhesion. Ensure all substrates are clean, dry and receive the specified self-adhesive primer. Ambient and surface temperatures must be between 40 -110°F (4 - 43°C). Do not attempt application if ice, snow, moisture or dew are present. Temperatures should be a minimum of 5 degrees above the dew point.

APPLICATION

All surfaces must be dry, clean, smooth and free from contaminants. Prior to installation, unroll the Standard Self-Adhered Base Ply 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 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 whenever possible to avoid backwater laps.

Place the Self-Adhered Base Ply in desired position. Remove the protective release film from the underside and roll the sheet into place with a weighted roller.

For roofing & waterproofing applications, the Self-Adhered Base Ply rolls should have a minimum 3-in (76 mm) overlap at side laps and 6-in (150 mm) at end laps.

For full application instructions, please refer to the relevant 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 guidelines. 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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STANDARD SELF-ADHERED BASE PLY (US) SHEET PROPERTIES	
Property	Value
Elastomeric Bitumen	Proprietary blend of bitumen and SBS polymers
ASTM Standard	D6163, Type I, Grade S
Reinforcement	Glass fiber
Top Surfacing	Sanded
Back Surfacing	Self-adhered with release film
Selvage Surfacing	Self-adhered with release film
Selvage Width, in (mm)	3 (76)

STANDARD SELF-ADHERED BASE PLY (US) DIMENSIONS & MASS		
Property	Value	ASTM Test Method
Length, ft (m)	49.2 (15.0)	D5147
Width, in (m)	39.4 (1.0)	D5147
Coverage,* ft ² (m ²)	147.6 (13.7)	D5147
Roll Weight, lb (kg)	74 (33.4)	D5147
Rolls per Pallet	30	D5147
Pallet Weight, lb (kg)	2,270 (1,025)	D5147
Thickness (Minimum), mils (mm)	79 (2.0)	D5147
Thickness (Nominal), mils (mm)	87 (2.2)	D5147
Net Mass per Unit Area, lb/100 ft ² (g/m ²)	45.5 (2,220)	D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	D5147
Shelf Life (Months)	12	D5147

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

STANDARD SELF-ADHERED BASE PLY (US) PHYSICAL PROPERTIES			
Property	MD	XMD	ASTM Test Method
Peak load @ 0°F (-18°C), lbf/in (kN/m)	100 (17.5)	90 (15.8)	D5147
Elongation at peak load @ 0°F (-18°C), %	4	4	D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	50 (8.8)	40 (7.0)	D5147
Elongation at peak load @ 73.4°F (23°C), %	5	4	D5147
Ultimate Elongation @ 73.4°F (23°C), %	45	45	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	60 (267)	60 (267)	D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	D5147
Dimensional stability, %	< 0.1	< 0.1	D5147
Compound stability, °F (°C)	250 (121)	250 (121)	D5147

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

Please, refer to Impermitek installation recommendations, application manuals, and guide specifications, for complete information regarding t, and handling of Impermitek products.