

SELF-ADHERING ROOFING UNDERLAYMENT MEMBRANE FOR ICE & WATER PROTECTION

DESCRIPTION & USE

LEXMAT SELF-ADHERING ROOFING UNDERLAYMENT MEMBRANE is a modified-asphalt fiberglass reinforced membrane used to help prevent water penetration at the most critical areas of steep-slope roofs, as well as provide protection from water migration caused by ice damming. It is designed to be used at/for:

- Eaves
- Valleys
- Rakes
- Flashing around chimneys
- Flashing around skylights
- Roof vents and other penetrations
- Roof-to-wall connections
- Full deck coverage

FEATURES & BENEFITS

Exceptional tear resistance and extended exposure time - for all-season performance

Self-seals around nails and fasteners - for long-lasting protection against water leakage

Sand-surfaced - for reliable foot grip preventing slippage and safer installation

Split-back release liner - for easier handling during installation

Shrink-wrap packaging - for better product protection during storage in various weather conditions, compared to corrugated boxes

TECHNICAL DATA

PHYSICAL PROPERTIES & CHARACTERISTICS	
Surfacing	Sand
Composition	Modified-Asphalt Fiberglass Reinforced Membrane
Thickness	nominal 57 mils
Roll width	0.9 m (36")
Roll length	19.8 m (65')
Roll coverage	18.1 m ² (195 ft ²)
Rolls per pallet	30

APPROVALS & COMPLIANCES

- Meets performance criteria of ASTM D1970
- ASTM E108 / UL 790 - Class A Fire Resistance



PERFORMANCE PROPERTIES

Property	Requirement	Test Method
Maximum load, MD/XD	Min. 25 lbf/in-width	ASTM D2523 ASTM D1970
Elongation at break, MD/XD - Modified-Asphalt Portion	Min. 10%	ASTM D2523 ASTM D1970
Tear resistance, MD/XD	Min. 20 lbf	ASTM D4073 ASTM D1970
Adhesion to plywood at 4° C (40° F) at 24° C (75° F)	Min. 2 lbf/ft-width Min. 12 lbf/ft-width	ASTM 903 ASTM D1970
Nail sealability	Pass	ASTM D1970 ASTM D7349
Low temperature flexibility	Pass	ASTM D1970
Waterproofing integrity after low temperature flex	Pass	ASTM D1970
Waterproofing integrity of lap	Pass	ASTM D1970
Slip resistance	Pass	ASTM D1970
Thermal stability	Pass	ASTM D1204 ASTM D1970
Moisture vapour permeance	Max. 0.1	ASTM E96
UV exposure limit	60 days	
Service temperature	-40° C to 93° C (-40° F to 200° F)	
Storage temperature	max Up to 40° C (104° F)	

SELF-ADHERING ROOFING UNDERLAYMENT MEMBRANE

The logo for LEXMAT, featuring the brand name in a bold, white, sans-serif font. The text is centered between two horizontal green bars that taper towards the right side, creating a dynamic, arrow-like shape.

INSTALLATION INSTRUCTIONS

Please note: The installation instructions below are for critical areas of steep slope roofs. These areas include eaves, valleys and rakes, roof-to-wall connections, flashing around chimneys and skylights, roof vents and other penetrations, as well as full deck coverage.

LEXMAT SELF-ADHERING ROOFING UNDERLAYMENT MEMBRANE is to be installed on roofs having slopes of 5 cm (2") rise minimum in 30.5 cm (12") run or greater.

Preparation

All substrates are to be free of dust, oil, dirt, debris and moisture. All protrusions must be removed to provide a smooth surface. On re-roofing applications, remove old shingles, nails and other loose materials. Ambient and surface temperatures should be above 4.4 °C (40 °F) to achieve optimum adhesion. Lower temperatures can cause the self-adhesive layer to lose adhesive quality. Adhesion strength to the deck and at laps will increase as ambient temperatures rise. Consult local building codes for specific installation requirements.

Application

Roll out and align manageable lengths of the underlayment with the lower roof edge, sanded surface up. Tack nails along upper edge. Fold back lower portion of the underlayment and remove lower portion of split release film. Set in place. Remove nails from upper edge and upper portion of release film. Press firmly in place. Overlap at ends 15 cm (6") and sides a minimum of 7.6 cm (3"). When the underlayment is folded over the roof edge, it must be covered by flashing, gutter or metal drip edge.

Storage

Store rolls on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 40 °C (104 °F) or under -10 °C (14 °F). Double stacked pallets are not recommended. If double stacking is necessary, use a plywood sheet between pallets to distribute the load.

CAUTIONS & LIMITATIONS

- FOR EXTERIOR USE ONLY.
- Not designed for extended direct outdoor exposure. Must be covered within 60 days of application.
- For best practice, apply finish-covering materials promptly after underlayment installation. If not possible, secure underlayment in place with mechanical fasteners as a precaution against wind damage and uplift.
- Protect underlayment from excess traffic during application and until final roof covering is in place.
- Not resistant to oils and solvents.
- Avoid use of new dimensional lumber decking that may contain knots with resin levels that can attack and severely soften the underlayment's bitumen compound.