



Made exclusively for NEMEON Members by Carlisle Residential

PROFESSIONAL-GRADE PRODUCTS

Self-Adhering Roofing Underlayment Membrane

PRODUCT DESCRIPTION

LionGuard is used as a shingle underlayment on critical roof areas such as eaves, ridges, valleys, dormers and skylights. LionGuard underlayments protect roofing structures and interior spaces from water penetration caused by wind-driven rain and ice dams. LionGuard may also be used as covering for entire roof to prevent moisture or water entry.

LionGuard is a flexible rubberized asphalt, fiberglass-reinforced membrane with a granular surface that provides maximum skid resistance during installation.

INSTALLATION

General Information:

LionGuard roofing underlayments are applied when the roof deck is dry and the substrate temperature is 40°F (4.4°C) or higher. At temperatures below 40°F, nailing or priming may be used to temporarily hold the membrane in place while adhesion develops. LionGuard is designed to be covered with the primary roofing system and should not be exposed to sunlight for more than 30 days.

Moisture: Substrate must be free of any moisture. If moisture is present, it may inhibit adhesion.

New Construction: Prepare the roof deck by removing all loose objects, dirt, dust or debris.

Re-roofing: Remove all old materials from the roof deck in the area to be covered with LionGuard roofing underlayment. Replace water-damaged sheathing and sweep roof deck thoroughly.

Priming: Priming is not required on clean, dry wood or metal surfaces but concrete masonry and exterior gypsum board should be primed using the appropriate primer or adhesive. Adhesives such as CCW-702 or CAV-GRIP are recommended when temperatures are below 40°F.

Valleys, Hips & Ridges:

Cut LionGuard roofing underlayment into manageable lengths. Align over the center of the valley, hip or ridge. Remove release film. Press the middle of the membrane first before working toward the edges. For open valleys, cover LionGuard roofing underlayment with metal valley liners.

Eaves & Rakes:

Cut LionGuard roofing underlayment into 10-15' pieces. Remove 2-3' of release film and align the edge of the membrane, sticky side down, so it overhangs the drip edge by 3/8" (10 mm). Continue to remove release film and press as you move across the roof. Use a hand roller and/or hand pressure to press into place. Overlap end laps a minimum of 6". LionGuard roofing underlayment should reach a point 2' inside the interior wall line. Local codes may require additional courses. If additional courses are required, the top lap must be at least 3.5'.

Drip Edges: At the rake edge, apply LionGuard roofing underlayment first and place drip edge on top. At the eave, apply drip edge first and place LionGuard roofing underlayment on top of the drip edge so that it overhangs drip edge 3/8" (10 mm).

For standard installation details, follow the LionGuard detail drawings. For non-standard installation instructions, contact your local NEMEON representative.

PRODUCT SPECIFICATIONS

PHYSICAL PROPERTIES		
Surface	Black Granular	
Membrane	Rubberized Asphalt—Reinforced	
PRODUCT CHARACTERISTIC	UNITS	RESULTS
Roll Length (1/2 sq.)	feet	33/66
Roll Weight (1/2 sq.)	lbs.	35/65
Coverage Per Roll (1/2 sq.)	sq./ft.	100/200
Roll Width	inches	36
TYPICAL PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Thickness	ASTM D1970	55 mils
Low Temperature Flexibility	ASTM D1970	-25°F
Adhesion to Plywood at 75°F	ASTM D1970	30 lbs./ft.
Lap Seam Adhesion at 75°F	ASTM D1970	40 lbs./ft.
Sealability Around Nail	ASTM D1970	Pass
Slip Resistance	ASTM D1970	Pass
Thermal Stability	ASTM D1970	Pass
Moisture Vapor Permeance	ASTM D1970	0.05 perms
Water Absorption	ASTM D1970	1.5%
Maximum Load Machine Direction	ASTM D1970	55 lbs./in.
Maximum Load Transverse Direction	ASTM D1970	30 lbs./in.
Elongation at Break Machine Direction	ASTM D1970	30%
Elongation at Break Transverse Direction	ASTM D1970	45%
Tear Resistance Machine Direction	ASTM D1970	85 lbs.
Tear Resistance Transverse Direction	ASTM D1970	55 lbs.
PACKAGING INFORMATION		
Boxes (rolls) per pallet (1/2 sq.)		42/20

ADVANTAGES

- **Moisture and Air Barrier:** LionGuard protects the roof structure from water seepage caused by ice dams and wind-driven rains.
- **Self Sealing:** LionGuard membranes seal around roofing nails, staples and screws.
- **Watertight:** Used to ensure the watertightness of the primary roofing system in critical areas.
- **Self Adhering:** LionGuard membranes bond directly to the roof substrate for fast and easy installation without the need for additional adhesives.
- **Split-Release Film:** LionGuard features a split-release film for easier and faster installation.
- **Skid Resistant:** LionGuard features a unique granular skid-resistant surface for safe and easy installation.
- **Permanent Protection and Low Lifecycle Cost:** LionGuard will not crack, dry out or rot and provides long-term waterproofing performance.
- **Aesthetically Pleasing:** LionGuard is a concealed waterproofing system that will not detract from the architectural aesthetics of the primary roofing system.

LIMITATIONS

- LionGuard should be installed when air, roof deck and membrane temperatures are at or above 40°F (4.4°C).
- LionGuard should not be left exposed to sunlight for more than 30 days.
- LionGuard membrane should not be folded over the roof edge unless protected by a gutter or other flashing materials.
- The primary roof system must be ventilated to prevent excessive moisture build-up in the interior structure.
- Use caution during the installation of the membrane as it may become slippery when wet or covered with frost.
- LionGuard should not be used under metal roofs.
- Not to be used in contact with flexible PVC material.

APPLICABLE STANDARDS

- US-UL Classified
- 1997 Uniform Building Code™
- State of Florida Approved Product FSA# FL6782
- Miami-Dade County Product Control Approved
- ICC - ES ESR# 1556
- Meets ASTM D1970

STORAGE

LionGuard roofing underlayment rolls should be stored on end, under cover and in areas where the temperature is between 40° and 100°F (4.4° and 38°C). Do not double-stack pallets.

LIMITED WARRANTY

CARLISLE COATINGS AND WATERPROOFING INCORPORATED (CARLISLE) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any CARLISLE materials prove to contain manufacturing defects that substantially affect their performance, CARLISLE will, at its option, replace the material or refund the purchase price.

This limited warranty is the only warranty extended by CARLISLE with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. CARLISLE specifically disclaims liability for any incidental, consequential or other damages, including, but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of CARLISLE'S liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the CARLISLE material in question.

NEMEON, Inc. | 6043 Hudson Rd. Suite 350 | Woodbury, MN 55125
Phone: (651) 788-7810 | Fax: (651) 788-7807 | www.nemeon.com

Carlisle Coatings and Waterproofing Incorporated | 900 Hensley Lane | Wylie, TX 75098
Phone: 1-800-527-7092 | www.carlisle-ccw.com

