



**LL-140 Series (UltraLock™) & LL-110 Series (ValueLock™)**  
**ROOF UNDERLAYMENT**  
**INSTALLATION GUIDELINE**  
(v.2013-07)

**BEFORE INSTALLING LinerLock Roof Underlayments**

Ensure the roof deck or substrate is properly fastened, has no significant delamination, warpage, bowing or separation from the rafters, trusses or support structures and is clean, smooth, and free of debris before the underlayment is applied.

LinerLock Roof Underlayments shall be installed using compatible materials and conform to best building practices. Verify the application is compliant with applicable building codes.

LinerLock Roof Underlayments is not designed or intended to be the final or primary roof. Consult with your local sales representative for further information.

As with all roofing materials, always observe safe roofing practices (OSHA) and local building and safety codes. Use caution when walking or standing on the LinerLock Roof Underlayment. Moisture, dust, snow, ice, debris and other jobsite conditions may change the coefficient of friction. Failure to use proper safety equipment and footwear can result in serious injury or death.

**INSTALLATION – GENERAL**

Fastening methods and materials should conform to best building practices and local jobsite conditions. Verify final application to be compliant with the requirements of applicable building codes. Verify compatibility according to geographical region, structure type and roof specification with applicable building codes and/or by review of a building professional.

Install LinerLock Roof Underlayments with the print side up, horizontal (parallel) to the eave, with minimum 4 inch (102 mm) horizontal laps and 6 inch (152 mm) vertical laps. Overlaps shall run with the flow of water in a shingling fashion.

Fasteners shall either be corrosive-resistant 12 Gauge roofing nails with a minimum head diameter of 3/8 inches or plastic capped roofing nails with a minimum plastic cap diameter of 1 inch or 16 Gauge Crown Staple. Fasteners shall be 90° to the roof deck and shall not be under or over driven.

For other installation considerations, including concrete and/or clay tile installation without the use of battens or counter battens, roof claddings with exposed mechanical fasteners, fire classification and application in high velocity hurricane zones; please contact LinerLock for details.



### **SHORT-TERM EXPOSURE**

For short-term exposure (less than 24 hours before the primary roof installation is completed) without exposure to precipitation or high wind (any signs of underlayment uplifting), corrosive-resistant fasteners may be used to nominally attach the underlayment only as necessary to prevent distortion around fasteners in high traffic areas. The final roof covering will permanently affix the underlayment in place.

### **2 – 29 DAY EXPOSURE**

Applications that are not immediately covered (within 24 hours) by the primary roof covering or are subject to basic wind speeds (fastest mile) in excess of 90 miles per hour (145 km/hour, Uniform Building Code) or basic wind speeds (3-second gust) in excess of 110 miles per hour (177 km/hour, International Residential Code and International Building Code) shall be attached using corrosive resistant mechanical fasteners, spaced 12 inches (304 mm) on center along both horizontal and vertical laps and 24 inches (610 mm) on center along the center of the roll in the field of the roof.

### **30 – 180 DAY EXPOSURE**

For underlayment applications that are not covered by the primary roof covering within 30 days and/or for applications in high wind (any signs of underlayment uplifting) zones, lap widths shall be doubled and fastening frequency increased to 6 inches (15.5 cm) on center for horizontal and vertical laps and 12 inches (30.5 cm) on center along the center of the roll. Additionally, it is recommended that a caulk or sealant material<sup>1</sup> be applied between laps before fastening to prevent moisture ingress in areas of high wind.

For a primary roof covering requiring attachment through a batten system, the underlayment need only be preliminarily attached pending attachment of battens or counter battens. Battens or counter battens shall not be secured directly over raised fasteners, including plastic capped roofing nails.

### **REPAIRS**

Repair damage to the underlayment with caulk or sealant material maintaining a water-tight seal around the damaged area and proper overlaps to run with the flow of water in a shingling fashion. Ensure any incorrectly applied fasteners are caulked and/or sealed to prevent possible moisture ingress.

### **PRECAUTIONS**

LinerLock Roof Underlayments can be exposed to ultraviolet conditions for up to 6 months. Severe weather and/or local jobsite conditions may require a shorter exposure period. Please contact LinerLock, LLC for further information.

LinerLock Roof Underlayments is not designed to function as the primary roof covering and is intended to function as a secondary water shedding layer under most steep-sloped roofing materials. Verify compatibility with applicable roof cladding manufacturer's published installation instructions. Verify final application to be compliant with applicable building codes.

**NO WARRANTY, EXPRESS OR IMPLIED, IS GIVEN AS TO THE MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, OR OTHERWISE FOR APPLICATIONS OUTSIDE THE SCOPE OF THESE INSTALLATION GUIDELINES**