



INSTALLATION GUIDELINES

These guidelines provide the minimum installation requirements for SwiftGuard® roof underlayment; however, local building codes may differ. Consult with the local building department for any additional installation requirements.

The SwiftGuard® roof underlayment is an engineered synthetic roofing underlayment for steep sloped roof applications. It is intended to be used as a secondary water shedding layer and shall not be used as a primary roof covering.

SwiftGuard® roof underlayment uses an engineered coating which provides a patented gasketing technology that helps to seal around fastener locations. The SwiftGuard® roof underlayment offers high traction walking surface and high deck grabbing surface which helps to increase the security of the roof installer's foot placement.

SwiftGuard® roof underlayment is designed for use under concrete and clay tiles¹⁾, stone coated steel roofing, composite shakes and slates, asphalt shingles, metal roofing, and code compliant cedar shakes. SwiftGuard® roof underlayment meets the physical properties of ASTM D226 Types I and II, and is compliant to AC188, ASTM 8257 and Section 7.9 of ASTM D1970.

While installing SwiftGuard® roof underlayment, roofers should always observe safe roofing practices (OSHA) and local building and safety codes. Roofers should always use and wear fall protection devices when working on roofs. Use caution when walking or standing on the SwiftGuard® roof underlayment in wet, snowy, icy and/or dusty conditions that may reduce traction. Failure to use proper safety equipment and footwear can result in serious injury or death.

SwiftGuard® roof underlayment is an air, water, and vapor barrier. As such, it must be installed above code compliant ventilated areas. Verify that SwiftGuard® roof underlayment is installed with compatible materials and that the installation conforms to all applicable building code requirements and safety and best building practices.

DECK PREPARATION

1. **Deck Type:** Code approved.
2. **Deck Integrity:** Roof decks should be dry, clean, structurally sound and have no delamination. The decking is to meet or exceed minimum requirements of the roof deck manufacturer and local building codes. Repair and replace any damaged or rotted sections of deck before installing the SwiftGuard® roof underlayment.
3. **Clean Deck:** Remove all debris, including protruding fasteners, which could potentially damage the SwiftGuard® roof underlayment.

¹⁾ When installing in tile roof assemblies, the current version of the applicable installation manual published by the Tile Roofing Industry Alliance shall govern installation requirements.

APPLICATION

SwiftGuard® roof underlayment must be installed on roof slopes from 2:12 (17%) and greater. Installation methods and materials for fasteners, flashing and other accessories should conform to best building practices, applicable codes and local jobsite conditions.

Swiftguard roof underlayment installed with plastic-capped nails must be covered by primary roofing material within 180 days of application. Swiftguard roof underlayment installed with standard roofing nails must be covered by primary roofing material within 90 days of application.

GENERAL INSTALLATION

1. Install SwiftGuard® roof underlayment horizontally (parallel) to the eave with the printed side up in shingle fashion.
2. Install SwiftGuard® roof underlayment without wrinkles. Do NOT stretch during installation.
3. Ensure fastener's heads are flat and parallel to roof decking. DO NOT under drive or over drive fasteners.
4. Install SwiftGuard® roof underlayment over the eave metal flashing, flush with the bend, unless local building code requires otherwise or if a self-adhered underlayment is installed at the eave.
5. Extend SwiftGuard® roof underlayment product a minimum of 1" past gable/rake edge, turn down over edge, fasten as needed to adequately secure. Cover with code-compliant flashing prior to the installation of the final roof covering.

SLOPES 4:12 AND STEEPER

Single Layer Installation

1. Horizontal laps between courses must be 3" minimum.
2. Vertical laps at the end or start of a roll must be 6" minimum and offset a minimum of 3' from adjacent end laps.



SLOPES BETWEEN 2:12 (17%) AND 4:12 (33%)**Double Layer Installation**

1. Install half-wide sheet aligned to the eave.
2. Install full width sheet over the half-sheet aligned at eave.
3. Install successive courses with horizontal overlap of 50% of roll width + 2".
4. Vertical laps must be a minimum 6", offset a minimum of 3'

**FASTENING**

Plastic-capped roofing nails with a minimum plastic cap diameter of 1" or standard roofing nails shall be fastened at every fastening location along the length of the roll.

Use of staples is NOT permitted for fastening the SwiftGuard® roof underlayment to the deck.

Miami-Dade approved tin tags or metal caps are permitted for use.

When fastening battens with staples, the staples must be driven straight and true centered through the batten. Do not exceed more than one staple per fastening location as it could damage the decking material.

SPECIAL INSTALLATION INSTRUCTIONS - HIGH WIND VELOCITY AREA¹⁾

Fasten side and end laps minimum 6" on-center.

1. Fasten in the field of the roll with two staggered rows of fasteners spaced 12" on-center.
2. Additional fasteners may be required in high wind regions per local building codes.

SWIFTGUARD® ROOF UNDERLAYMENT VALLEY INSTALLATION

The SwiftGuard® roof underlayment can be applied as a valley liner in accordance with applicable building codes and best practices.

Install the SwiftGuard® roof underlayment product in all valleys by weaving the material through the valley. When weaving the underlayment in the valleys, the upper edge of the underlayment must be at least 18" past the center of the valley.

**REPAIR**

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 or damaged areas around fasteners are caulked and/or sealed to prevent possible moisture ingress.

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



¹⁾ High Wind Velocity Areas are designated by local building departments per ASCE 7.

