Westlake
Royal Roofing Solutions™

WESTLAKE ROYAL™
ROOFING COMPONENTS

SWIFTGUARD®

HIGH-PERFORMANCE SYNTHETIC ROOF UNDERLAYMENT

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 product 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.

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

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

While installing the 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 product 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.

The SwiftGuard® roof underlayment product 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 decking 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, protruding nails/staples which could potentially damage the SwiftGuard® roof underlayment product.

APPLICATION

The 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.

The SwiftGuard® roof underlayment product must be covered by primary roofing material within 180 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 3" minimum and Vertical laps 6" minimum
2. Do not install battens directly over any cap nails. If battens are required to be installed, remove all cap nails, patch the hole with a compatible sealant, then reinstall cap nail outside batten field to proceed further installation steps.

*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.

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 remain at a minimum of 6”, offset a minimum of 3’ from adjacent end laps.

FASTENING

Plastic capped roofing nails with a minimum plastic cap diameter of 1”, 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 product.

Miami-Dade approved tin tags or metal caps installed with the printed side facing upward are permitted for use.

For extended exposure in areas where high wind (any signs of underlayment uplifting) may be expected or strong rainfall could occur, double both the horizontal (6”) and the vertical lap widths (12”) or employ the use of a caulk or sealant material** between laps and prior to fastening to prevent moisture ingress.

SPECIAL INSTALLATION INSTRUCTIONS - HIGH WIND VELOCITY AREAS

1. Fasten side and end laps minimum 6” on-center.
2. Fasten in the field of the roll with two staggered rows of fasteners spaced 12” on-center.
3. 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.

** Use a high-quality, asbestos free, low solvent plastic roofing cement conforming to ASTM D 4586, Type 1 (Asbestos Free), Federal Spec SS-153 Type 1 (Asbestos Free). Butyl, urethane or EPDM based caulk or pressure-sensitive tape sealant may also be used.