



# PALISADE™

## SYNTHETIC UNDERLAYMENT

### INSTALLATION GUIDELINES

**PALISADE™ synthetic roofing underlayment** must be installed above properly ventilated spaces, as the underlayment is considered a vapor barrier (follow all applicable building codes). The deck surface must be 2:12 slope or greater, dry, and free of dust, dirt, voids, loose nails and other protrusions. Damaged sheathing must be replaced. The use of a rosin paper slip-sheet is not required underneath metal roofing systems. Installation is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.

**PALISADE™** is installed horizontally with the printed side up, and with 3-inch horizontal laps and 6-inch vertical laps. Overlaps must run with the flow of the water in a shingle pattern. The underlayment is only attached to the roof deck with roofing nails having 1-inch minimum diameter plastic or steel caps. **USE NO STAPLES.** Cap nails are spaced at 6 inches on center at vertical laps, and at 11 inches on center at horizontal laps. In the field area, apply fasteners at 13 inches spaced vertically and 22 inches on center horizontally. All caps (including nails) must be fully flush with the underlayment surface. Do not install fasteners over unsupported areas/voids. Repair all tears, holes, or damage to the underlayment.

In non-HVHZ high wind regions where Vult > 181 mph (Vasd > 140 mph), increase the fastener density to cap nails spaced 3 inches on center at vertical laps, and at 5.5 inches on center at horizontal laps. In the field area, apply fasteners at 6.5 inches spaced vertically and 11 inches on center horizontally. In addition, secure laps by folding all laps over before nailing, or taping securely across lap seams using exterior grade sheathing tape, or sealants such as roofing cement (asbestos free meeting ASTM D4586), EPDM or butyl to seal laps.

For Miami-Dade/Broward Counties (HVHZ) install in accordance with FBC Section 1518 for the type of roof cover to be installed, and seal laps as noted above. For tile applications in HVHZ, install in accordance with RAS 118, 119 or 120 using Palisade as the base layer and Tamko TW Metal and Tile Underlayment, GAF UnderRoof Tile Underlayment or CertainTeed Flintlastic SA Cap as the top layer. Note: Ensure the top layer underlayment holds its own HVHZ Approval for use under tile.

For batten secured installations, use only adequate length ring shanked nails or screws. **USE NO STAPLES** to secure battens to the roof deck. When battens are installed over **PALISADE™**, the underlayment need only be preliminarily attached with cap nails pending attachment of the battens or counter-battens. Layout underlayment such that cap nails will not interfere with batten installation.

For slopes less than 4:12, use a full 20 in. half lap over the underlying course. Apply underlayment up all abutments at least 6 inches. Depending on roof pitch and surface conditions, blocking may be required to support roofing materials. Use caution when walking on underlayment that has not been fastened to the deck.

**PALISADE™** is not designed to replace the primary roof covering material, or for indefinite outdoor exposure.

---

AS WITH ANY ROOFING PRODUCT, OBSERVE ALL SAFE ROOFING CODES & PRACTICES (OSHA REGULATIONS, FALL PROTECTION SYSTEMS CRITERIA AND PRACTICES - 1926.502). USE CAUTION WHEN WALKING OR STANDING ON PALISADE™, AS SKID RESISTANCE MAY CHANGE WITH WET, DUST OR FROST CONDITIONS, AND ROOF PITCH. FAILURE TO USE PROPER SAFETY GEAR AND FOOTWEAR CAN RESULT IN SERIOUS INJURY.



**SDP**  
ADVANCED POLYMER PRODUCTS

SDP Advanced Polymer Products Inc,  
410-130 Bridgeland Ave, Toronto, Ontario, Canada, M6A-1Z4  
866-747-4035 • [sdp-products.com](http://sdp-products.com)