

**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 4: 12 slope or greater, dry, and free of dust, dirt, voids, loose nails, and other protrusions. If used in low slope applications between 2: 12 to 4: 12, it is recommended to overlap 50% plus 1".

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 coaltar pitch.

**PALISADE** Synthetic Roofing Underlayment is installed horizontally with the printed side up, and with 4 inch (10cm) horizontal laps and 6 inch (15 cm) vertical laps. Overlaps must run with the flow of water in a shingle pattern.

In normal wind zones, best practice is to attach **PALISADE** Synthetic Roofing Underlayment to the roof with corrosive resistant 1" plastic or metal cap-nails or cap-staples spaced at 6 inches (15 cm) on center on both head and end laps, and 12 inches (30 cm) on center in the field area in the middle of the roll.

Capped fasteners may be hand or machine applied but should be driven squarely into the deck to secure caps flush to the underlayment.

If covered within 48 hrs with primary roofing, and no driving rain or high wind events are expected, uncapped staples or corrosive resistant 3/8" head roofing nails with 1" leg or greater can be used.

The use of uncapped fasteners can result in blow off or leakage around the fasteners during rain or wind events.

In high wind zones or coastal applications, decrease the spacing to 4 inches ( 10 cm) on center on both head and end laps with 12 inches (30 cm) on center in the field area.

For roofs required to have an ice barrier under the IBC or IRC, a self-adhered polymer modified bitumen sheet, complying with ASTM 01970 or the ICC-ES Acceptance Criteria for Self-Adhered Roof Underlayments for Use as Ice Barriers (AC48) shall be applied. The severe climate underlayment shall be applied over the solid substrate in sufficient courses that the underlayment extends up the roof a distance equal to the distance inside the exterior wall line of the building that is specified in the appropriate section of the applicable code. **PALISADE** Synthetic Roof Underlayment shall overlap the severe climate underlayment.

**PALISADE** Synthetic Roofing Underlayment is not designed to replace the primary roof covering material, or for indefinite outdoor exposure. Final roof covering must be installed within 6 months.