

TRI-SHIELD

SYNTHETIC UNDERLAYMENT

APPLICATION INSTRUCTIONS

SAME DAY COVERAGE:

1. Ensure the deck surface is free of nails, protrusions and other debris that may damage product; it should have a smooth even surface with no voids and deck should be moisture free.
2. **APPLICATION:** For slopes 2:12 and higher Tri-Shield is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4" and vertical laps should be 12" and anchored approximately 1" in from the edge. For low slope applications it is recommended to overlap 50% plus 1". For definition of low slopes please contact local jurisdiction for clarifications. Tri-Shield is not recommended for slopes less than 2:12. The use of a roofing hammer, hatchet hammer, pneumatic air or gas driven fastener tool is acceptable. The use of a straight edge cutting knife is recommended.
3. **FASTENERS:** Tri-Shield must be attached to the structural roof deck material using 1" minimum length roofing nails or 12g 3/8" head x 1" minimum length leg roofing nails or 16g 7/16" crown staples.
4. For high wind geographical areas please use additional fasteners at areas clearly marked "X" through the field of product.
5. Cover roof with primary roof cladding.

EXTENDED EXPOSURE UP TO 180 DAYS:

1. Ensure the deck surface is free of nails, protrusions and other debris that may damage product; it should have a smooth even surface with no voids and deck should be moisture free.
2. **APPLICATION:** For slopes 2:12 and higher Tri-Shield is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 12" and vertical laps should be 6" and anchored approximately 1" in from the edge. For low slope applications it is recommended to overlap 50% plus 1". For definition of low slopes please contact local jurisdiction for clarifications. Tri-Shield is not recommended for slopes less than 2:12. The use of a roofing hammer, hatchet hammer, pneumatic air or gas driven fastener tool is acceptable. The use of a straight edge cutting knife is recommended.
3. **FASTENERS:** Tri-Shield must be attached to the structural roof deck material using 1" minimum length leg roofing nails with plastic caps, or 16g 7/16" crown staples with minimum 1" diameter plastic caps.
4. Conditions such as driving rain or strong winds it is recommended to take additional precautions such as doubling the lap widths. In addition a compatible sealant should be used between the overlaps. For the sealing of the overlaps it is recommended that you use high quality plastic roofing cement meeting ASTM D 4586 Type I code.
5. For high wind geographical areas or expectation of high winds please use additional fasteners at areas clearly marked "X" through the field of product.
6. Cover roof with primary roof cladding.

References: a. Roofing practices per OSHA 29CFR b. Fall Protection per OSHA 1926.502 c. Applicable State & Local building codes d. Standard Specifications ASTM D 226 Type I, II e. CAN / CSA A220