



# Installation Instructions

1. Prior to installation, ensure the roof deck is clean and dry and that it is free of nails, protrusions, and other debris.
2. For slopes 4:12 or greater, Roloshield Synthetic Underlayment 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 6". For slopes 2:12 or greater and less than 4:12, Roloshield Synthetic Underlayment should be overlapped 24" or 50% of underlying course. Roloshield Synthetic Underlayment is not recommended for slopes less than 2:12.
3. Roof Application: Metal Roof Applications- Roloshield Synthetic Underlayment should be attached to the roof deck using minimum 1" diameter plastic or metal cap roofing nails (smooth or ring shank) or plastic cap staples with minimum 7/16" leg and 1/2" crown. As an alternative, to prevent potential dimpling in the metal, 3/8" head x 1" leg uncapped roofing nails are permitted. However, if using uncapped roofing nails, the primary roof installation should be completed within 36 hours and the roof should not be exposed to rain or high wind prior to final roof installation. There is a possibility of blow offs or water intrusion or leaking around the fasteners when using uncapped fasteners. Always check with applicable local building codes before using uncapped fasteners.  
Asphalt Shingle Applications- Uncapped roofing nails or staples are permitted if the shingles are installed within 36 hours and no rain or high wind is expected. To prevent the possibility of blow off or water intrusion or leakage around the fasteners, it is recommended to use minimum 1" diameter cap nails or cap staples. Always check with applicable local building codes before using uncapped fasteners.
4. Spacing of fasteners should follow the pre-printed nailing pattern, including 6" on center along horizontal laps. Fasteners should also be applied 6" on center for all vertical laps. Additionally, when a roll ends in the field of the roof, fasten 6" on center at 12" from end laps. This applies for normal wind zones, high wind zones, and coastal areas. All anchoring fasteners must be flush, 90 degrees to the roof deck, and tight with the roof surface.
5. Where seams and joints require the use of a sealant or adhesive, use a high quality, low solvent asbestos free, plastic roofing cement meeting ASTM D-4586 Type 1, Federal Spec SS-153 Type 1 and consult manufacturer's installation instructions.
6. Roloshield Synthetic Underlayment is designed to handle outdoor exposure not exceeding 180 days from installation. For exposure of more than 5 days and less than 180 days, it is necessary to take proper precautions including using 1" minimum cap roofing nails and a compatible sealant between the laps or peel and stick tape over the laps in areas of potential driving rain or strong winds.
7. As with any roofing product, always be careful to observe safe roofing codes and practices as by OSHA Standard – 29 CFR Fall Protection Systems Criteria and Practices – 1926.502.