



## INSTALLATION GUIDE

### 10 SQUARE ROLL - 4 FT X 250 FT - 21 LBS/ROLL

#### **Before you install RoofNinja®:**

Ensure strapping or roof deck is fastened in accordance with local Building Code requirements and all preparatory work has been completed and is safe;

Confirm the support structure is clean, smooth and free of obstructions, that there is no bowing, warps, delamination, or separation from rafters, trusses, or support structure.

**RoofNinja®** shall be installed using only compatible materials and as specified in these instructions;

**RoofNinja®** is an underlayment and is intended to be a second layer of protection; for use with Asphalt Shingles.

Should you have any questions or concerns regarding the installation of **RoofNinja®** contact your supplier or local sales representative;

**RoofNinja®** shall be installed by qualified, experienced installers adhering to WSBC and OSHA regulations; Synthetic underlayment may become slippery due to moisture, dust, debris or other conditions, which affect the level of surface friction. Always use caution and proper safety equipment when installing **RoofNinja®**; failure to comply with safety regulations can result in serious injury or death.

#### **Installation Instructions:**

**RoofNinja®** Synthetic Roofing Underlayment is a high performance, secondary layer, approved for installation beneath asphalt shingles and concrete tile steep-slope roofing systems.

Proper roof ventilation, as specified in local building codes and roof-system warranty guides is required as part of the installation of **RoofNinja®**.

**RoofNinja®** is installed horizontally, parallel to the eaves, with the printed side showing and overlapped to shed water. Minimum Overlaps: 6" for vertical overlaps and 4" for horizontal overlaps.

For use on low slope roofs defined as slopes pitched at (Inches Vertical: Inches Horizontal) 2:12 - 4:12 or 17% - 33%: **RoofNinja®** Underlayment must be half lapped.

**RoofNinja®** shall be securely fastened with corrosion resistant ring shanked roofing nails with a minimum 1" diameter plastic cap. DO NOT USE STAPLES.

Fastening patterns are indicated on the underlayment. Fasteners shall be driven perpendicular to the roof deck. Ensure fasteners are not over or under driven. Fasteners shall be spaced @ 12" o.c. (on center) in the center of the vertical and horizontal overlaps. The remaining area shall be fastened @ 12" o.c. vertically and @ 24" o.c. horizontally.

Corrosion resistant roofing nails with a 3/8" head diameter may be used to fasten the final roof covering.

**RoofNinja®** should not be exposed to ultra violet radiation for an indefinite period of time; the final roof system should be installed within 90 days. For expected prolonged exposure or in areas having high winds overlapping and fastening shall be doubled.



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Overlap shall be increased to 8" horizontal and 12" vertical. Underlayment shall be fastened @ 6" o.c. vertical and center laps and @ 12" horizontal throughout the field. Alternatively an approved sealant may be used between the lap and overlapping segments or two-sided adhesive seam tape.

When installing **RoofNinja**<sup>®</sup> using battens; ring shanked nails or screws are permitted to secure underlayment, ensure fasteners are of adequate length. Do not superimpose the batten over cap nails. First remove the cap nail, apply a patch to the hole, and then use cap nails to secure the battens. Fasteners are to be considered a temporarily method to secure underlayment until battens or final roofing material is installed.

#### Repairs:

Any damage to **RoofNinja**<sup>®</sup> underlayment can be repaired with caulking or a similar sealant material that ensures a watertight seal and does not interfere with drainage. If drainage is hampered remove and replace the damaged segment and insert a new piece in a shingled manner – to shed water. Be sure to caulk and/or seal any incorrect application of fasteners to prevent moisture penetration.

If underlayment seams and joints require the use of a sealant or adhesive, use a high quality, low solvent ASTM D4586 Type 1 or Federal Spec. SS-C-153C Type 1 standard roofing cement, made from asphalts considered self-healing and ductile. Alternatively, rubber butyl, urethane, and EPDM based caulking or tape sealant may be used.

For asphalt shingle installation in Canada refer to CAN/CSA A-123.3 Type II

**NO WARRANTY, EXPRESSED OR IMPLIED, IS GIVEN AS TO THE MERCHANTABILITY, SUITABILITY FOR A PARTICULAR USE OR OTHERWISE FOR APPLICATIONS BEYOND THE SCOPE OF THESE INSTALLATION GUIDELINES.**

15 Year Limited Warranty