

DuPont™ Tyvek® Roof Protector™

Synthetic Underlayment Installation Guidelines

SPECIFICATIONS

- DuPont™ Tyvek® Roof Protector™ is available in 10 square rolls: 42" x 286'/1.1m x 87.2m (93.0m²)
- Tyvek® Roof Protector™ is for use on roofs with slopes $\geq 2:12$.
- Tyvek® Roof Protector™ must be covered with the final roof cladding within Three (3) months.
- Tyvek® Roof Protector™ should not be considered a final roofing system/primary water barrier.
- Tyvek® Roof Protector™ is a secondary layer applied over sheathing, under a primary roofing system (asphalt shingles or metal roof cladding).
- Caution should be taken when walking on Tyvek® Roof Protector™ when it is wet or frost-covered.
- Use fall protection when working on roof. Refer to OSHA safety regulations 29 CFR1926 subpart M.
- Consult your local DuPont™ Tyvek® Specialist for additional information.
- Gloves are recommended when handling Tyvek® Roof Protector™. Repeated contact to skin may cause skin irritation due to the roughness of the material. The product should not make contact with eyes as it may cause irritation.

Building Code Compliance

- Consult local building code and roof cladding manufacturer for use of underlayment.
- Consult local building code and roof cladding manufacturer for underlayment edge and end overlap and fastening requirements that may differ from Tyvek® Roof Protector™ instructions. Follow the more restrictive requirements.
- Where required by local building code, apply self-adhering waterproof underlayment as required by code according to manufacturer's instructions and Tyvek® Roof Protector™ for successive courses.
- Tyvek® Roof Protector™ provides protection against leaks under all types of roof coverings identified by ICC-ES AC188.
- Tyvek® Roof Protector™ meets or exceeds the following code criteria and test protocols:
 - AC188
 - ASTM D226 types I & II
 - ASTM E108
 - CAN/CSA A123.3
 - CAN/CSA A220.1 (coming soon)
 - Intertek CCRR-1087

Precautions and Safety

- Apply DuPont™ Roof Protector™ taut and wrinkle-free. Do not stretch.
- Do not apply Tyvek® Roof Protector™ over wet or frost-covered roof sheathing.
- Caution should be taken when walking on Tyvek® Roof Protector™ until it has been fastened according to instructions.

Preparation

- Apply Tyvek® Roof Protector™ over a dry, smooth, clean and defect-free roof deck. Tyvek® Roof Protector™ cannot be installed over existing roof cladding.
- Tyvek® Roof Protector™ is a vapor barrier. Ensure that the space beneath the roof sheathing is properly ventilated before installing to avoid condensation problems.

INSTALLATION INSTRUCTIONS

1. Lay courses of Tyvek® Roof Protector™ horizontally in "shingle style" fashion following the lap lines provided in 4" course overlaps and 6" end laps beginning along the eave edge. Offset end laps in successive courses by 6 feet.
2. When attaching Tyvek® Roof Protector™ to the roof sheathing:
 - When used under asphalt shingles, and metal roof cladding, 1" diameter (min) metal or plastic (ring shank or smooth shank) cap-nails or cap-staples are required.
 - When used under asphalt or metal roof cladding, 1" diameter (min) metal or plastic cap-nails or cap staples are recommended. Un-capped staples or standard roofing nails may be used if shingles are installed within 36 hours (unless rain or high winds are expected). Use of un-capped fasteners may result in a risk of blow off or leakage around the fastener penetrations during a wind or rain event.
 - All anchoring must be performed flush to the roof and 90 degrees to the roof deck.

3. Install fasteners 12" on center (o.c) along course and end over-laps and a single row 24" on center along the middle line of the field. Use the printed pattern as a guide.
4. In high wind zones (at or above 100 mph per IRC R301.2), fasteners must be installed at all printed locations on the **DuPont™ Tyvek® Roof Protector™**. It must be fastened using corrosion-resistant metal or plastic cap nails with a head diameter of at least 1" and a thickness of at least 32-gauge sheet metal. The cap-nail shank shall be a minimum of 12 gauge (0.105 inches) with a length to penetrate through the roof sheathing of a minimum of ¾ inch into the roof sheathing.
5. Apply **Tyvek® Roof Protector™** with two layers on roofs with slopes between 2:12 and up to 4:12. Begin with a 26" undercourse strip parallel to the eave edge, and then cover with a full width sheet. Overlap successive sheets by 26".
6. Install **Tyvek® Roof Protector™** over drip edges along eave edge and under drip edges along rake edges.

7. Lap **Tyvek® Roof Protector™** 8" (min) onto walls.

Line roof valleys with a sheet of **Tyvek® Roof Protector™** prior to installing horizontal courses of **Tyvek® Roof Protector™**. Lap the ends of horizontal **Tyvek® Roof Protector™** courses over the valley sheet by 6".

At ridges and hips where ridge vents will not be applied, cross-lap **Tyvek® Roof Protector™** from one roof plane onto the other by 6". For additional weather protection, apply a 24" wide sheet of **Tyvek® Roof Protector™** across hips and ridges.

Warranty

Tyvek® Roof Protector™ is covered by a 20-year limited product replacement warranty.



**For more information visit us at
tyvek.com
or call 1-866-583-2583**

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CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information call the DuPont Contact Center at 866-583-2583 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442.

WARNING: Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product.

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