

# 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 (93.0m<sup>2</sup>)
- 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](http://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, consult (Material) Safety Data Sheet ((M)SDS), call DuPont at 1-866-583-2583 or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

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

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