

# DuPont™ Tyvek® Protec™

## Roofing Underlayments Installation Guidelines

### SYSTEM OVERVIEW

#### Installation Guidelines Acceptable For Use With

- DuPont™ Tyvek® Protec™ 120
- DuPont™ Tyvek Protec™ 160
- DuPont™ Tyvek® Protec™ 200

#### Specifications

- Tyvek® Protec™ is available in 10 square rolls:  
48" x250'/1.2m x 76.2m (92.9m<sup>2</sup>),  
and 2 square rolls:48" x50'/1.2m x 15.2m (18.5 m<sup>2</sup>)
- Tyvek® Protec™ is for use on roofs with slopes  $\geq 2:12$ .
- Tyvek® Protec™ must be covered with the final roof cladding within:
  - 3-months with Tyvek® Protec™ 120
  - 6-months with Tyvek® Protec™ 160 or Tyvek® Protec™ 200

Tyvek® Protec™ should not be considered a final roofing system/primary water barrier. Tyvek® Protec™ is a secondary layer applied over sheathing, under a primary roofing system as specified for the following:

- Tyvek® Protec™ 120 - asphalt shingles, metal or cedar roof cladding
- Tyvek® Protec™ 160 - asphalt shingles, tile, metal, cedar, or slate roof cladding
- Tyvek® Protec™ 200 - asphalt shingles, tile, metal, cedar, or slate roof cladding

#### 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® Protec™ instructions. Follow the more restrictive requirements.
- Where required by local building code, apply selfadhering waterproof underlayment as required by code according to manufacturer's instructions and Tyvek® Protec™ for successive courses.
- Tyvek® Protec™ provides protection against leaks under all types of roof coverings identified by ICC-ES AC188.

- Tyvek® Protec™ meets or exceeds the following code criteria and test protocols:

- AC188 (Intertek CCRR-1062)
- ASTM D226 types I & II
- ASTM E108
- CAN/CSA A123.3
- CAN/CSA A220.1

#### Precautions and Safety

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

#### Preparation

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

## INSTALLATION

1. Lay courses of DuPont™ Tyvek® Protec™ 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 DuPont™ Tyvek® Protec™ to the roof sheathing:  
When used under tile, slate, cedar and metal roof claddings, 1” diameter (min) metal or plastic (ring shank or smooth shank) cap-nails or cap-staples are required.
  - When used under asphalt or synthetic shingles, 1” diameter (min) metal or plastic cap-nails or capstaples 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 Tyvek® Protec™. 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® Protec™ 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® Protec™ over drip edges along eave edge and under drip edges along rake edges.  
Lap Tyvek® Protec™ 8” (min) onto walls.
7. Line roof valleys with a sheet of Tyvek® Protec™ prior to installing horizontal courses of Tyvek® Protec™. Lap the ends of horizontal Tyvek® Protec™ courses over the valley sheet by 6”.
8. At ridges and hips where ridge vents will not be applied, cross-lap Tyvek® Protec™ from one roof plane onto the other by 6”. For additional weather protection, apply a 24” wide sheet of Tyvek® Protec™ across hips and ridges.

### Warranty

Tyvek® Protec™ is covered by a limited product replacement warranty:

- Tyvek® Protec™ 120: 30 years
- Tyvek® Protec™ 160: 40 years
- Tyvek® Protec™ 200: 50 years

Warranty is offered by DuPont for builders, general contractors, or professional installers. This is not a consumer warranty. To obtain a copy of the warranty please visit [www.tyvek.com/protec](http://www.tyvek.com/protec) or call 1-800-448-9835.



For more information about DuPont™ Tyvek® Protec™, please call 1-800-448-9835 or visit us at [www.tyvek.com/protec](http://www.tyvek.com/protec)

**NOTICE:** No freedom from any patent owned by DuPont or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where DuPont is represented. The claims made may not have been approved for use in all countries or regions. DuPont assumes no obligation or liability for the information in this document. References to "DuPont" or the "Company" mean the DuPont legal entity selling the products to Customer unless otherwise expressly noted. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY DUPONT. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. The buyer assumes all risks as to the use of the material. Buyer's exclusive remedy or any claim (including without limitations, negligence, strict liability, or tort) shall be limited to the refund of the purchase price of the material. Failure to strictly adhere to any recommended procedures shall release DuPont Specialty Products USA, LLC or its affiliates, of all liability with respect to the materials or the use thereof. The information herein is not intended for use by non-professional designers, applicators or other persons who do not purchase or utilize this product in the normal course of their business.

**CAUTION:** When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). 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. The blowing agent contained within this product can exhibit vapor flame limits under the right conditions. If specific operating conditions are such that concentrations of the blowing agent above the lower flammable limit can accumulate in areas with high relative humidity and in the presence of high-energy electrical discharges or other ignition sources, additional measures such as increased ventilation or coded electrical equipment (class one, division two) may be warranted. DO NOT SMOKE DURING USE. DO NOT USE NEAR ANY OPEN FLAME OR ELECTRICAL SOURCE. OUTDOOR USE ONLY. INDOOR USE INCREASES LIKELIHOOD OF IGNITABLE CONDITIONS. INSTASTIK™ Quik Set Commercial Roofing Adhesive contains isocyanate and a blowing agent. Read the label and (Material) Safety Data Sheet (MSDS) carefully before use. Wear gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. For outside use only.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2023 DuPont