

DUPONT™ TYVEK® PROTEC™

ROOFING UNDERLAYMENTS INSTALLATION GUIDELINES

INSTALLATION GUIDELINES ACCEPTABLE FOR USE WITH

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

SPECIFICATIONS

- Tyvek® Protec™ is available in 10 square rolls: 48" x 250'/1.2m x 76.2m (92.9m²), and 2 square rolls: 48" x 50'/1.2m x 15.2m (18.5 m²)
- 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 self-adhering 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.



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1. Lay courses of 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 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 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.
7. Lap Tyvek® Protec™ 8" (min) onto walls.
8. 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".
9. 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/protoc 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/protoc

