



# DUPONT™ ROOF PROTECTOR™

## SYNTHETIC UNDERLAYMENT INSTALLATION GUIDELINES

### INSTALLATION GUIDELINES ACCEPTABLE FOR USE WITH

- DuPont™ Roof Protector™

### SPECIFICATIONS

- DuPont™ Roof Protector™ is available in 10 square rolls: 42" x 286'/1.1m x 87.2m (93.0m<sup>2</sup>)
- DuPont™ Roof Protector™ is for use on roofs with slopes  $\geq$ 2:12.
- DuPont™ Roof Protector™ must be covered with the final roof cladding within Three (3) months.
- DuPont™ Roof Protector™ should not be considered a final roofing system/primary water barrier.
- DuPont™ Roof Protector™ is a secondary layer applied over sheathing, under a primary roofing system (asphalt shingles or metal 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 DuPont™ 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 DuPont™ Roof Protector™ for successive courses.
- DuPont™ Roof Protector™ provides protection against leaks under all types of roof coverings identified by ICC-ES AC188.
- DuPont™ 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 DuPont™ Roof Protector™ over wet or frost-covered roof sheathing.
- Caution should be taken when walking on DuPont™ Roof Protector™ until it has been fastened according to instructions.
- Caution should be taken when walking on DuPont™ 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 DuPont™ 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.

### PREPARATION

- Apply DuPont™ Roof Protector™ over a dry, smooth, clean and defect-free roof deck. DuPont™ Roof Protector™ cannot be installed over existing roof cladding.
- DuPont™ 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 DuPont™ 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 DuPont™ 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™ 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 3/4 inch into the roof sheathing.
5. Apply DuPont™ 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 DuPont™ Roof Protector™ over drip edges along eave edge and under drip edges along rake edges.
7. Lap DuPont™ Roof Protector™ 8" (min) onto walls.
8. Line roof valleys with a sheet of DuPont™ Roof Protector™ prior to installing horizontal courses of DuPont™ Roof Protector™. Lap the ends of horizontal DuPont™ Roof Protector™ courses over the valley sheet by 6".
9. At ridges and hips where ridge vents will not be applied, cross-lap DuPont™ Roof Protector™ from one roof plane onto the other by 6". For additional weather protection, apply a 24" wide sheet of DuPont™ Roof Protector™ across hips and ridges.

### WARRANTY

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



## **DUPONT™ ROOF PROTECTOR™**

**For more information, visit us at  
[roofprotector.dupont.com](http://roofprotector.dupont.com)  
or call 1-800-448-9835**