

DuPont™ Flashing System

An innovative flashing system

Product description and typical applications

DuPont™ Flashing System provides comprehensive protection from water leaks. It is designed to help direct water to the building exterior instead of trapping it inside the wall system and causing water damage.

DuPont™ FlexWrap™ is an extendable flashing material made with DuPont™ Tyvek® and 100% a butyl-based adhesive layer. DuPont™ FlexWrap™ is wrapped into the rough opening before the window is installed making one-step seamless protection possible. It also flashes round-top or custom shaped windows in one seamless step.

DuPont™ StraightFlash™ VF (Versatile Flange) is an innovative dual-sided, self-adhered flashing material made with DuPont™ Tyvek® and a 100% butyl –based adhesive layer for flashing windows and doors. DuPont™ StraightFlash™ VF provides a reliable moisture seal to integrate brick mold, non-integral flanged and non-flanged windows and doors with the building envelope.

Physical characteristics

ProPerties	DuPont™ FlexWraP™	DuPont™ StraightFlash™
Face Sheet	Elasticized polyethylene laminate (white)	Spunbonded polyethylene laminate (white)
Adhesive*	Butyl rubber (black)	Butyl rubber (black)
Thickness	70 mil (1,775 microns)	30 mil (760 microns)
Release Liner	2 piece, heavy-duty siliconized paper	2 piece, heavy-duty siliconized paper
Dimensions	7- or 9-inch width x 75 feet length	4-inch width x 150 feet length 9-inch width x 125 feet length
Applications	Round top or custom shaped windows, 3-D sill protection, wall interruptions: i.e., dryer vents, hose bibs.	amb and heads of rectangular windows.

* Adhesive system is based on 100% butyl elastomer with no asphalt/modified bitumen components.

Performance testing	
Installed system water intrusion testing (tested with no exterior cladding)	
ASTM E331 ASTM E331 after thermal aging (0-160°F)	No leakage at 25 and 75 pa No leakage at 25 and 75 pa
Water vapor permeability (ASTM E96)	< 1 Perm (< 60 ng/Pa.Sec.M2)
Application temperature	Best when installed above 25°F (consult dupont for primer recommendations)
UV resistance	Cover within 120 days
DuPont™ flashing systems products meet the AAMA 711-07 material standard at the highest classification levels:	Class a (no primer) Level 3 thermal exposure (80°C/176°F for 7 days)

Warning: DuPont™ Flashing Systems products and their release paper are slippery and should not be walked on. Remove release paper from work area immediately.

DuPont Flashing Systems products are combustible and should be protected from flame and other high heat sources. If the temperature of DuPont™ Flashing Systems products reach 700°F (307°C) they will burn and the fire may spread and fall away from the point of ignition.

DuPont™
Flashing Systems

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value to our customers

Installation

The following installation guide is for integral flanged windows installed after weather-resistive barrier is installed. Refer to product box for complete installation details.

1. Cut a modified 'I' in the weather barrier. Fold one side and bottom flaps into opening and secure.
2. Use Dupont™ FlexWrap™ to provide seamless protection at sill.
3. Caulk rough opening of jams and heads. position caulk such that window flange will contact when installed. Do not caulk at bottom of rough opening.
4. Install window per manufacturer's instructions.
5. Protect jams and heads with Dupont™ StraighFlash™ or Dupont™ FlexWrap™.
6. Use Dupont™ FlexWrap™ to provide seamless protection at the head.
7. Flip head flap down and secure with tape.
8. Caulk rear of window to seal rear of window frame to inside of rough opening.

Additional Instructions

- Wipe surfaces remove moisture, dirt, grease and other debris that would interfere with adhesion.
- Apply pressure along entire surface to achieve a good bond.
- Remove all wrinkles and bubbles by smoothing surface and reposition as necessary.
- Use mechanical fasteners to temporarily secure outside edges of Dupont™ FlexWrap™ at sill bottom corners and perimeter of round tips.
- For additional fasteners to temporarily secure outside edges of Dupont™ FlexWrap™ at sill bottom corners and perimeter of round tops.

Specification Notes

When specifying state the following:

Product name: Dupont™ FlexWrap™, Dupont™ StraighFlash™

Application: Comprehensive protection from water leaks.

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