DuPont™ Tyvek® IntegrationWrap™

A Durable Membrane to Integrate Weatherization Components at Rough Openings

OVERVIEW

Description

DuPont™ Tyvek® IntegrationWrap™ is a coated woven polypropylene membrane that connects or "integrates" DuPont Self-Adhered Flashing Products at the window/door with the DuPont™ Tyvek® WRB on the wall in single-family residential and wood-framed multi-family/light commercial construction. This flashing integration membrane helps provide an easy means of preparing rough openings prior to the installation of the primary Tyvek® WRB, which can help reduce building dry-in times and facilitate the sequence of trades during the construction process.



Features and Benefits

- **High Performance Durability:** Tyvek® IntegrationWrap® was made in collaboration with window installation professionals to ensure the product is both effective and easy to install. The 9" width of the product makes it easy to incorporate into most window and door details. Excellent tear resistance. Exceptional air and water holdout Easy to install in a variety of details.
- **Ease of Use:** QR code is printed on the product for quick access to product information. Indicators are also printed every 6 inches to help with measuring and cutting. The product is pliable and light weight, making it a user friendly, practical flashing integration membrane. Purposeful product printing — measurement indicators to assist with installation, and a QR code for quick access to product information. Provides simple method for integrating self-adhered window flashing with the building wrap.

Complete System

- For maximum protection against air and water infiltration in homes and multi-family buildings, use Tyvek® IntegrationWrap™ combined with DuPont™ Tyvek® WRBs and DuPont Self-Adhered Flashing Products. Tyvek® WRBs include Tyvek® HomeWrap® , Tyvek® StuccoWrap® , Tyvek® DrainWrap™, Tyvek® CommercialWrap® , and Tyvek® CommercialWrap® D. DuPont Self-Adhered Flashing Products include DuPont™ FlexWrap™, DuPont™ FlexWrap™ EZ, DuPont™ StraightFlash™, DuPont™ VersaFlange™, and DuPont™ Flashing Tape. DuPont also offers installation accessories, including DuPont™ Tyvek® Tape, DuPont™ Tyvek® Wrap Caps, and Great Stuff Pro™ Polyurethane Foam Sealant.

Warranty

- DuPont™ IntegrationWrap™ is backed by 10-Year Limited Warranties when installed as part of the Tyvek® WRB system. For more information, refer to Warranty section of the applicable DuPont Installation Guideline.

Standard Sizes

Standard Sizes for DuPont™ Tyvek® IntegrationWrap™

Unit	Width	Length	Units per Case	Cases per Pallet	Units per Pallet
Roll	9 in.	300 ft.	16	8	128

TESTING AND CODE COMPLIANCE

DuPont™ Tyvek® IntegrationWrap™ exhibits physical properties as indicated below when tested as represented. Review all instructions and (Material) Safety Data Sheet ((M)SDS) before use. Please contact DuPont at 1-833-338-7668 when additional guidance is required for writing specifications that include this product.

TEST METHOD	TEST TITLE	PROPERTY	RESULTS
STRENGTH			
ASTM D1777	Standard Test Method for Thickness of Textile Materials	Thickness	7 mil
ASTM F1306	Standard Test Method for Slow Rate Penetration Resistance of Flexible Barrier Films and Laminates	Puncture Resistance	20 lbf
ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting	Tensile Strength	60/67 MD/CD, lbf
ASTM D5034	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)	Tensile Strength	95/126 MD/CD, lbf
ASTM D4533	Standard Test Method for Trapezoid Tearing Strength of Geotextiles	Tear Resistance	22/37 MD/CD, lbf
AIR			
TAPPI T-460	Air resistance of paper (Gurley method), Test Method	Material Air Resistance	> 10,000 sec/100 cc
ASTM E1677	Standard Specification for Air Barrier (AB) Material or Assemblies for Low-Rise Framed Building Walls	Assembly Air Leakage	< 0.04 cfm/ft^2 (0.2 L/s • m^2)
WATER			
ASTM E96	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials	Water Vapor Transmission Method A (Dry Cup) & Method B (Wet Cup)	< 1 perms
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference	Assembly Water Resistance	300 Pa 6.24 psf
AATCC 127	Test Method for Water Resistance: Hydrostatic Pressure	Material Water Resistance (Dynamic Method)	> 500 cm water column
AATCC 127	Test Method for Water Resistance: Hydrostatic Pressure	Hydrostatic Head Pressure (Static Method)	PASS 55 cm for 24 hours
GENERAL			
ASTM G154	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Non-Metallic Materials	Ultra-Violet Light (UV) Exposure Limit	120 days
AAMA 712	Voluntary Specification for Mechanically Attached Flexible Flashing	Passes full AAMA 712	PASS

Note:- *Tyvek® IntegrationWrap™ tested in a wall assembly containing a window. In accordance with the DuPont™ Tyvek® IntegrationWrap™ Installation Guidelines, DuPont Self-Adhered Flashing Products were used to flash window to Tyvek® IntegrationWrap™, with Tyvek® IntegrationWrap™ sealed to Tyvek® WRB on the wall using DuPont™ Tyvek® Tape.

HANDLING

Warning

- **WARNING: For Professional Use Only** - Read and follow the entire Handling section and the Safety Data Sheets (SDSs, formerly MSDSs or Material Safety Data Sheets) carefully before use. The information below is designed to protect the user and allow for safe use and handling of Tyvek® Brand products.

Cleanup & Disposal

- Tyvek® IntegrationWrap™ should be stored in a clean, dry environment. Dispose of any residual product, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.

Precautionary Statements

- DuPont™ Tyvek® IntegrationWrap™ should not be exposed to sunlight for more than 120 days.
- Tyvek® IntegrationWrap™ is slippery and should not be used in any application where it will be walked on.
- Tyvek® IntegrationWrap™ is combustible and should be protected from flames and other high heat sources. Tyvek® IntegrationWrap™ will melt at 320 °F (160 °C).
- Because of the critical technical design aspects of many of its applications, DuPont recommends that qualified designers or consultants design the wall system. Contact a local DuPont Building Envelope Specialist for more specific instructions.
- Follow all applicable federal, state, local and employer regulations.

For more information, visit us at
building.dupont.com
or call us at 1-833-338-7668

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