DuPont™ Tyvek® DrainWrap™

Grooved Air and Water-Resistive and Air Barrier (WRB) Engineered to Enhance Drainage

OVERVIEW

Description

DuPont™ Tyvek® DrainWrap™ offers excellent drainage and durability for residential construction. Vertical grooves on the surface of **Tyvek® DrainWrap™** make it a superior water-resistive barrier (WRB), engineered to channel bulk water away from the wall systems and drain safely to the outside.

Combined with the superior air and water resistance, vapor permeability and strength of the Tyvek® Brand, **Tyvek® DrainWrap™** provides enhanced drainage behind claddings such as primed wood (all six sides), fiber cement siding, and foam board applied over flat surfaces.



Features and Benefits

- **High Performance Durability:** Outperforms other textured water-resistive barriers in tests involving bulk water application. Provides superior sustained performance compared to Grade D building paper and #15 felt.
- **Temperature and UV Resistance:** Withstands up to four months (120 days) of UV exposure. Maximum in-service temperature of 180° F.
- **Air and Water Barrier Performance:** Helps hold out bulk water, while allowing water vapor to pass through it, promoting drying in the wall system, which can help prevent mold and water damage. Unique non-woven structure helps prevent air movement through walls, contributing to a more energy efficient building. Type I air barrier per ASTM E1677. Offers > 98% drainage efficiency when tested in accordance with ASTM 2273. Meets ASTM E2556, Type II standards for vapor permeable flexible sheet water-resistive barriers. Pliable, wraps around corners with ease. Lightweight, easy to handle, and faster to install than the average house wrap. Flexible, easily interfaces at joints and over architectural elements. Minimizes seams and helps reduce labor costs. Maintains constant drainage rate, even after repeated wetting and drying cycles.

Sustainable Solutions

- Tyvek® DrainWrap™ may contribute toward LEED® points in the areas of Energy and Atmosphere (EA): Optimizing the Building Envelope and Indoor Environmental Air Quality (EQ): Construction IAQ Management Plan and Low Emitting Materials. In addition, the use of a continuous air barrier is a prerequisite for LEED® applications requiring compliance with ASHRAE 90.1.
- By helping to effectively seal the building envelope, Tyvek® DrainWrap™ helps to reduce the amount of energy required for heating and cooling.

Warranty

- Tyvek® DrainWrap™ is backed by a 10-Year limited warranty. For additional warranty information please visit building.dupont.com or contact your DuPont representative.

Complete System

- Tyvek® DrainWrap™ can be integrated with DuPont Self-Adhered Flashing Products and DuPont™ Tyvek® Fluid Applied Products to offer seamless protection for wall systems that require mechanically fastened and fluid applied air and water barriers.

- We recognize our stakeholders' need for product transparency information and are committed to providing embodied carbon and other Life Cycle Assessment (LCA)-based information through Environmental Product Declarations (EPDs) for our products. You can find the Tyvek® EPD under "Codes and Certifications" here.

Standard Sizes

Standard Sizes for Tyvek® DrainWrap™

Unit	Width	Length
Roll	9 ft.	125 ft.
Roll	10 ft.	125 ft.

TESTING AND CODE COMPLIANCE

Tyvek® DrainWrap™ exhibits the properties and characteristics indicated in the table below when tested as represented. Review all instructions and (Material) Safety Data Sheet ((M)SDS) before use. Please contact your local DuPont™ Tyvek Specialist before writing specifications around this product. Product properties are as follows:

TEST METHOD	TEST TITLE	PROPERTY	RESULTS
AIR			
ASTM E1677	Standard Specification for Air Barrier (AB) Material or Assemblies for Low-Rise Framed Building Walls	Air Penetration Resistance	Type 1 cfm/ft^2 @ 1.57 psf
ASTM E2178	Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials	Air Penetration Resistance	.004 cfm/ft^2 @ 1.57 psf
TAPPI T460	Air resistance of paper (Gurley method)	Air Penetration Resistance	>300 sec/100cc
FIRE			
ASTM E84	Standard Test Method for Surface Burning Characteristics of Building Materials	Surface Burning Characteristics Class A Index	Flame Spread = 5 Smoke Developed = 25
STRENGTH			
ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting	Breaking Strength	30/30 lbs/in
ASTM D1117	Standard Guide for Evaluating Nonwoven Fabrics	Tear Resistance	7/9 lbs
TAPPI T-410	Grammage of Paper and Paperboard (Weight per Unit Area)	Basis Weight	2.1 oz/yd^2
WATER			
AATCC 127	Test Method for Water Resistance: Hydrostatic Pressure	Water Penetration Resistance	210 cm
ASTM E2273	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	Drainage Efficiency ICC-ES AC 24 Section 6.11 ICC-ES AC 235 Section 4.5	>98% Pass Pass
ASTM E2556	Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment	Vapor Permeability (Type II Compliant)	Pass
ASTM E96	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials	Water Vapor Transmission Method A	250 g/m^2-24 hrs 36 perms
ASTM E96	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials	Water Vapor Transmission Method B	350 g/m^2-24 hrs 50 perms

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

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