

DuPont™ Tyvek® DrainWrap™

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



FEATURES/BENEFITS

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 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 substrates.

Air and Water Barrier Performance

- Tyvek® DrainWrap™ 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.
- The unique non-woven fiber structure of Tyvek® DrainWrap™ also helps prevent air movement through the walls, contributing to a more energy efficient home.
- Offers > 98% drainage efficiency when tested in accordance with ASTM E2273.
- Withstands up to four months (120 days) of UV exposure.

- ASTM E2556, Type II Compliant – Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment.

Ease of Installation

Tyvek® DrainWrap™ is easy to install. It is pliable, so it wraps around corners with ease. It is also lightweight, easier to handle, and faster to install than the average house wrap. In addition, because it's flexible, Tyvek® DrainWrap™ easily interfaces at joints, and over architectural elements.

Available Sizes

Tyvek® DrainWrap™ is available in the following roll sizes:

- 9' x 125' (2.7 m x 38.1 m)
- 10' x 125' (3.1 m x 38.1 m)

High Performance Durability

Compared to other textured water-resistive barriers, Tyvek® DrainWrap™ provides superior performance in tests where bulk water was applied between a flat acrylic panel and the water-resistive barrier. When compared to Grade D building paper and #15 felt, Tyvek® DrainWrap™ provides superior sustained performance.

Sustainable Solutions

DuPont™ 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.

Complete System

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

PROPERTIES

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	Property	Typical Value	Units
ASTM E2178 Gurley Hill (TAPPI T-460) ASTM E1677	Air Penetration Resistance	.004 >300 Type 1	cfm/ft²@1.57 psf sec/100cc -
ICC-ES AC 24 Section 6.11 ASTM E2273 ICC-ES AC 235 Section 4.5	Drainage Efficiency	Pass >98 Pass	- % -
ASTM E96-00	Water Vapor Transmission	Method A 250 36	g/m²·24 hrs perms
ASTM E96-00	Water Vapor Transmission	Method B 350 50	g/m²·24 hrs perms
AATCC 127	Water Penetration Resistance	210	cm
TAPPI T-410	Basis Weight	21	oz/yd²
ASTM D882	Breaking Strength	30/30	lbs/in
ASTM D1117	Tear Resistance (Trapezoid)	7/9	lbs
ASTM E84 Flame Spread Index Smoke Developed Index	Surface Burning Characteristics	5 25	Class A Class A
	Ultra Violet Light Exposure (UV)	120 (4)	days (months)

Test results shown represent roll averages. Individual results may vary either above or below averages due to normal manufacturing variations, while continuing to meet product specifications.

WARNING: DuPont™ Tyvek® is combustible and should be protected from an open flame and other high heat sources. If the temperature of DuPont™ Tyvek® reaches 750°F (400°C), it will burn and the fire may spread and fall away from the point of ignition.



For more information visit us at
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