

DuPont™ Tyvek® HomeWrap®

Sturdy House Wrap Engineered for Energy Efficiency



FEATURES/BENEFITS

Description

DuPont™ Tyvek® HomeWrap® is the original house wrap, incorporating unique material science that helps keep air and water out, while letting water vapor escape. As a result, it can contribute to improved building durability by helping to protect homes against damaging wind and rain that can penetrate the exterior cladding.

Tyvek® HomeWrap® can also reduce home energy bills by controlling air flow and water intrusion, which helps insulation work better, allowing the HVAC system to work more efficiently. It's a house wrap engineered to keep homes cool in the summer, warm in the winter, and dry all year round.

Available Sizes

Tyvek® HomeWrap® is available in the following roll sizes:

- 3' x 100' (0.9 m x 31 m)
- 3' x 165' (0.9 m x 50 m)
- 5' x 200' (1.5 m x 61 m)
- 9' x 100' (2.7 m x 31 m)
- 9' x 150' (2.7 m x 46 m)
- 10' x 100' (3 m x 31 m)
- 10' x 150' (3 m x 46 m)

Air and Water Barrier Performance

- Unique nonwoven structure of Tyvek® HomeWrap® makes it breathable, allowing moisture vapor to pass through. This helps promote drying in wall systems, to help prevent mold and water damage.
- Tyvek® HomeWrap® stops air movement through the walls, helping insulation perform closer to its full R-value, to provide a more energy-efficient home
- 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® HomeWrap® is easy to install. It is pliable, so it wraps around corners with ease. It is also light weight, easier to handle, and faster to install than the average house wrap. In addition, because it's flexible, Tyvek® HomeWrap® easily interfaces at joints, and over architectural elements.

High Performance Durability

DuPont™ Tyvek® HomeWrap® is a uniquely engineered product made by spinning extremely fine high-density polyethylene (HDPE) fibers that are fused together to form a strong, uniform web. The tough structure of Tyvek® is engineered to create millions of extremely small pores that resist bulk water and air penetration, while allowing moisture vapor to pass through. Tyvek® HomeWrap® can also withstand up to four months (120 days) of UV exposure.

Complete System

Tyvek® HomeWrap® 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.

Sustainable Solutions

Tyvek® HomeWrap® 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 90.1-2010.

By helping to effectively seal the building envelope, Tyvek® HomeWrap® helps to reduce the amount of energy required for heating and cooling.

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	cfm/ft²@1.57 psf
		1200	sec/100cc
		Type 1	-
ICC-ES AC 24 Section 6.11 ASTM E2273	Drainage Efficiency	Pass	-
		>90	%
ICC-ES AC 235 Section 4.5		Pass	-
ASTM E96-05	Water Vapor Transmission	Method A 400 56	g/m²-24 hrs perms
ASTM E96-05	Water Vapor Transmission	Method B 370 54	g/m²-24 hrs perms
AATCC 127	Water Penetration Resistance	250	cm
TAPPI T-410	Basis Weight	1.8	oz/yd²
ASTM D882	Breaking Strength	30/30	lbs/in
ASTM D1117	Tear Resistance (Trapezoid)	8/6	lbs
ASTM E84 Flame Spread Index Smoke Developed Index	Surface Burning Characteristics	15	Class A
		15	Class A

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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