



BC BUILDING PRODUCTS
THE ENVELOPE SPECIALISTS

TECHNICAL DATA SHEET

DuPont Tyvek Home Wrap

Manufacturer: DuPont

The following pages are the manufacturer's original document,
reproduced unaltered (revision not shown on document).

SUPPLIED BY BC BUILDING PRODUCTS

8241 129 St, Surrey, BC V3W 0A6

604-540-9040 · sales@bcbp.ca · bcbp.ca

DuPont™ Tyvek® HomeWrap®

Sturdy Housewrap Engineered for Energy Efficiency

OVERVIEW

Description

DuPont™ Tyvek® HomeWrap® is the original house wrap, leveraging advanced material science to keep air and water out while allowing water vapour to escape. This contributes to enhanced building durability by protecting homes from damaging wind and rain that can penetrate exterior cladding.

Tyvek® HomeWrap® is uniquely engineered by spinning extremely fine high-density polyethylene (HDPE) fibers that are fused together to form a strong, uniform web. This robust structure creates millions of tiny pores that resist bulk water and air penetration while allowing moisture vapor to pass through.

Additionally, Tyvek® HomeWrap® can reduce home energy bills by controlling air flow and water intrusion, thereby improving insulation performance and HVAC efficiency. It is designed to keep homes cool in the summer, warm in the winter, and dry all year round.



Features and Benefits

- **Ease of Installation:** 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 element.
- **Temperature and UV Resistance:** Withstands up to two months (60 days) of UV exposure. Maximum in-service temperature of 82° C.
- **Air and Water Barrier Performance:** Unique non-woven structure is breathable, allowing moisture vapour to pass through, promoting drying in wall systems, and helping to prevent mold and water damage. Stops air movement through walls, enabling insulation to perform closer to its full R-value, thereby contributing to a more energy-efficient home.

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

Complete System

- Tyvek® HomeWrap® can be integrated with DuPont Self-Adhered Flashing Products to offer seamless protection for wall systems that require air and water barriers.

Warranty

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

Standard Sizes

Standard Sizes for Tyvek® HomeWrap®

Unit	Width	Length
Roll	18 in.	100 ft.
Roll	3 ft.	100 ft.
Roll	5 ft.	200 ft.
Roll	9 ft.	100 ft.
Roll	9 ft.	150 ft.
Roll	9.50 ft.	100 ft.
Roll	10 ft.	100 ft.
Roll	10 ft.	150 ft.

TESTING AND CODE COMPLIANCE

Tyvek® HomeWrap™ 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
ASTM E2178	Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials	Air Penetration Resistance	.01 L/S/m ² @75 Pa
TAPPI T460	Air resistance of paper (Gurley method)	Air Penetration Resistance	1080 sec/100cc
STRENGTH			
ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting	Breaking Strength	30/30 lbs/in
TAPPI T-410	Grammage of Paper and Paperboard (Weight per Unit Area)	Basis Weight	1.8 oz/yd ²
WATER			
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	>90% Pass Pass
ASTM E96	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials	Water Vapor Transmission Method B	1720 ng/Pa·S·m ² 30 perms



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

NOTICE: No freedom from any patent owned by DuPont or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customers use and for ensuring that Customers workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where DuPont is represented. The claims made may not have been approved for use in all countries or regions. DuPont assumes no obligation or liability for the information in this document. References to "DuPont" or the "Company" mean the DuPont legal entity selling the products to Customer unless otherwise expressly noted. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY DUPONT. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. The buyer assumes all risks as to the use of the material. Buyers exclusive remedy or any claim (including without limitations, negligence, strict liability, or tort) shall be limited to the refund of the purchase price of the material. Failure to strictly adhere to any recommended procedures shall release DuPont de Nemours, Inc. or its affiliates of all liability with respect to the materials or the use thereof. The information herein is not intended for use by non-professional designers, applicators or other persons who do not purchase or utilize this product in the normal course of their business. DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2025 DuPont. All rights reserved. 43-D100052-enNA-0625 CDP

Issue Date: 8/13/2025

Print Date: 10/11/2026