

Tyvek
HomeWrap

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DUPONT TYVEK WEATHERIZATION
MITTEN

DuPont™ Tyvek® HomeWrap®

SKU: DUPONT-TYVEK-HW

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WARRANTY

10-Year Limited Warranty (installation per DuPont guidelines required)

PROFILES

HomeWrap

DuPont™ Tyvek® HomeWrap® is the world's most recognized residential housewrap, providing an optimal balance of air resistance, water resistance, and vapour permeability for Canadian residential construction. Made from 100% flash spunbonded HDPE with no binders or fillers. ICC-ES ESR-2375 certified, ASTM E2556 Type II, LEED eligible. Available in 7 roll sizes from 300 to 1,500 sq ft coverage.

Key Features

- World's leading residential housewrap — 100% flash spunbonded HDPE, no binders or fillers
- Water resistance: 250 cm hydrostatic (AATCC 127)
- Breaking strength: 30/30 lbs/in MD/CD (ASTM D882)
- ICC-ES ESR-2375 · ASTM E2556 Type II · LEED Eligible
- Must be covered within 120 days of installation · 10-Year Limited Warranty
- Air resistance: < 0.004 cfm/ft² @ 1.57 psf · ASTM E1677 Type 1 classification
- Vapour permeability: 56 Perms (ASTM E96-05 Method A) — promotes wall drying
- Class A flame spread and smoke developed (ASTM E84 — Index 15 / 15)
- 7 roll sizes: 3 ft–10 ft widths x 100 ft–200 ft lengths

Profiles & Specifications

DUPONT-HW

DuPont™ Tyvek® HomeWrap® / CommercialWrap®

The world's leading housewrap. Made from 100% flash spunbonded high-density polyethylene fibres bonded by heat and pressure — no binders or fillers. Provides the optimum combination of air resistance (< 0.004 cfm/ft², ASTM E1677 Type 1), water resistance (250 cm hydrostatic), and vapour permeability (56 Perms) to protect wall assemblies while allowing moisture to escape. Stud-alignment marks printed every 8" for accurate fastening. Must be covered within 4 months (120 days) of installation. ICC-ES ESR-2375. 10-Year Limited Warranty.



Material	100% flash spunbonded HDPE — no binders or fillers
Air Penetration	< 0.004 cfm/ft² @ 1.57 psf (ASTM E2178) · 1200 sec/100cc (TAPPI T-460 Gurley Hill)
Air Infiltration Class	Type 1 (ASTM E1677)
Water Vapour Trans.	56 Perms · 400 g/m²/24h — Method A (ASTM E96-05)
Water Resistance	250 cm (AATCC 127)
Breaking Strength	30/30 lbs/in MD/CD (ASTM D882)
Tear Resistance	8/6 lbs MD/CD — Trapezoid (ASTM D1117)
Basis Weight	1.8 oz/yd² (TAPPI T-410)
Flame Spread	Class A — Index: 15 (ASTM E84)
Smoke Developed	Class A — Index: 15 (ASTM E84)
UV Resistance	120 days (4 months) — must be covered before expiry
Melt / Burn Point	Melts at 275°F (135°C) · Burns at 750°F (400°C)
Roll Widths	3 ft · 5 ft · 9 ft · 10 ft
Roll Lengths	100 ft · 150 ft · 165 ft · 200 ft (varies by width)
Certification	ICC-ES ESR-2375 · ASTM E2556 Type II · LEED Eligible
Warranty	10-Year Limited (requires installation per DuPont guidelines)

DUPONT-FLASH

DuPont™ Flashing Systems

Complete line of self-adhered butyl-backed flashing products designed to integrate with DuPont Tyvek WRBs to create a continuous air and weather barrier at all window and door openings. FlexWrap™ NF is fully extendable for sills and curved areas; StraightFlash™ handles jambs and heads; Flashing Tape seals heads and jambs of rectangular openings. All flashing products carry 9-month UV resistance and are covered under the DuPont Lifetime Limited Warranty when used as a complete system with Tyvek.



FlexWrap™ NF	100% butyl-backed · self-adhered · extendable for sills and curved areas · 9-month UV · 6"×75 ft / 9"×75 ft
StraightFlash™	Butyl-backed · self-adhered · jambs and heads · 9-month UV · 4"×150 ft / 9"×125 ft
StraightFlash™ VF	Dual-sided butyl-backed · brick mold and non-flanged windows/doors · 9-month UV · 6"×125 ft
Flashing Tape	100% butyl-backed · heads and jambs · 9-month UV · 4"×100 ft / 6"×100 ft / 9"×100 ft
Tyvek® Tape	For sealing WRB seams and penetrations · 2" bulk pack (36 rolls/case) · 3" bulk pack (24 rolls/case)
Adhesive	For cold temp or difficult substrate adhesion before applying flashing
Warranty	Lifetime Limited when installed as a complete DuPont Tyvek system

Certifications & Testing Standards

DuPont™ Tyvek® HomeWrap® meets or exceeds the following Canadian and international performance standards.

<ul style="list-style-type: none"> ● ICC-ES Evaluation Report ESR-2375 — DuPont™ Tyvek® HomeWrap®, StuccoWrap®, DrainWrap™, CommercialWrap®,
<ul style="list-style-type: none"> ● ASTM E2556 Type II — Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers for Mechanical Attachment
<ul style="list-style-type: none"> ● ASTM E2178 — Air Penetration Resistance: < 0.004 cfm/ft² @ 1.57 psf (ASTM E1677 Type 1 classification)
<ul style="list-style-type: none"> ● ASTM E96-05 — Water Vapour Transmission: 56 Perms (Method A) / 54 Perms (Method B)
<ul style="list-style-type: none"> ● AATCC 127 — Water Penetration Resistance: 250 cm
<ul style="list-style-type: none"> ● ASTM D882 — Breaking Strength: 30/30 lbs/in MD/CD
<ul style="list-style-type: none"> ● ASTM E84 — Surface Burning: Class A (Flame Spread Index 15 / Smoke Developed Index 15)
<ul style="list-style-type: none"> ● ICC-ES AC-38 — Water-Resistive and Air-Barrier Requirements (mechanically attached)
<ul style="list-style-type: none"> ● LEED Eligible — may contribute toward U.S. Green Building Council LEED® points: Energy & Atmosphere; Indoor Environmental Quality
<ul style="list-style-type: none"> ● 10-Year Limited Warranty — valid only when installed per DuPont™ Tyvek® Installation Guidelines (www.weatherization.tyvek.com)
<ul style="list-style-type: none"> ● Manufactured by DuPont™ · Distributed in Canada by Mitten / Cornerstone Building Brands

Installation Guide

- 1 TIMING** — Install DuPont™ Tyvek® HomeWrap® after roof sheathing and step flashings and kickout flashings are in place, and BEFORE windows and doors are installed. This sequence allows for proper integration of the WRB with window and door flashings.
- 2 STARTING** — Unwrap at a corner, leaving 6"–12" of vertical overlap at the corner. The bottom edge of the roll must extend over the sill plate interface by at least 2". Keep the roll plumb throughout installation. Stud-alignment marks are printed every 8" on the surface to aid fastening.
- 3 FASTENING** — Secure Tyvek® HomeWrap® to the stud or nail-base sheathing. Fasten no closer than 6" and no farther than 18" on vertical stud lines. Use DuPont™ Tyvek® Wrap Caps (cap nails or cap staples) for secure fastening that resists wind uplift.
- 4 OVERLAPS** — Upper layers must overlap lower layers by a minimum of 6" on horizontal seams, installed shingle-fashion from bottom to top to shed water. At vertical seams and corners, maintain a minimum 6" overlap.
- 5 SEAMS & AIR BARRIER** — Tape all vertical seams with DuPont™ Tyvek® Tape. When installing as a continuous air barrier, also tape all horizontal seams, around all penetrations, and at window and door rough openings.
- 6 WINDOW & DOOR FLASHING** — Use DuPont™ FlexWrap™ NF at window sills and complex curved areas. Use DuPont™ StraightFlash™ or Flashing Tape at jambs and heads. Flashing must be integrated with Tyvek® to provide a continuous water and air seal around all openings.
- 7 UV EXPOSURE** — DuPont™ Tyvek® HomeWrap® must be covered with exterior cladding within 4 months (120 days) of installation. Exceeding this UV exposure window will void the 10-Year Limited Warranty. Do not expose to open flame — melts at 275°F (135°C) and burns at 750°F (400°C).
- 8 FACADE-SPECIFIC** — Stucco: separate Tyvek® from stucco with a second WRB layer or Grade D building paper and integrate with weep screed. Brick veneer: maintain minimum 1" nominal airspace (2" for steel stud). Stone veneer: two WRB layers required per IBC 1405.7. Wood siding: prime on all six sides before installation.



MITTEN

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promaterials.ca

PHONE

(905) 836-7272

EMAIL

info@promaterials.ca

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Unit 5, 1235 Journey's End Cir, Newmarket, ON