



Premium Building Products
That Protect

PW 100/40™
Air/Vapor Barrier Tape & Thru Wall Flashing

TECHNICAL DATA

Properties	Test Method	Test Results
Color		White/Gray
Thickness		40 mil
Tensile Strength	ASTM D412	975 psi
Elongation (adhesive only)	ASTM D412	500%
Permeance	ASTM E96	0.01 perms max
Nail Sealability	ASTM D1970	Pass
Operating Temperature		45°F to 240°F (7°C to 116°C)

PACKAGING

Roll Width: 4", 6", 9", 12", 18", 24", 36"
Roll Length: 75'

DESCRIPTION

PW 100/40™ is a cold applied self-adhering membrane composed of a tough cross laminated High Density Polyethylene coated on one side with a layer of recycled butyl hybrid adhesive.

FEATURES

- Proprietary RECYCLED butyl hybrid adhesive
- 120 day exposure rating
- Fully adhered system
- Seals around properly installed fasteners
- Compatible with and will adhere to most construction surfaces¹
- Forms a positive air/vapor barrier²

USES

Used as a full building wrap in envelope applications in cavity wall construction as an air/vapor barrier membrane*.

Used as a complete waterproof self-adhered flashing for window and door installations to create a positive air/vapor barrier in everyday construction. Safe for use on most wood, wood clad, aluminum, fiberglass and vinyl windows and doors

Sealing around skylights

Sealing joints in exterior sheathing

Sealing penetrations in roof and wall systems

LIMITATIONS

Not recommended for use on windows or doors that incorporate a plasticized nailing flange or drip cap, consult window manufacturer to determine nailing flange type.

Not recommended for use over or near solvent based sealants. See Technical Letter Chemical Compatibility.

Not recommended for use over or in contact with PVC roof coverings.

Not recommended in high temperature applications to exceed 240°F (116°C).

SHELF LIFE

PW 100/40 maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

STORAGE

PW 100/40 should be stored in the original, unopened container at ambient temperatures between 40°F to 90°F (5°C to 32°C). Storage area should remain dry and out of direct sunlight. Do not remove materials from original containers until ready for use. Do not double stack pallets.

PREPARATION

All surfaces shall be clean, dry and free of any foreign materials. The surface shall be free of gaps, sharp edges and protrusions.

Metal surfaces may need to be solvent wiped and/or abraded to achieve optimum adhesion.

¹ Note: If surface is DensGlass Gold[®], OSB, Concrete block (CMU), masonry, fiber board sheathing or cannot be cleaned to a like new surface or the surface is damp or below 45°F (7°C), primer should be used prior to the application of the membrane. Some housewrap materials may require primer, test for adhesion prior to full application. Refer to: Technical Letter Primer Selection for more information.

Protecto Wrap Company recommends testing substrates for adhesion. If adhesion to substrate is found to be marginal, then a primer shall be used to ensure optimal adhesion. Refer to: Technical Letter Primer Recommendations; See Technical Letter, Adhesion to Substrates.

APPLICATION

For full wall air/vapor barrier applications: **PW 100/40** can be installed horizontally or vertically and must form water shedding laps. Side laps should be a minimum of 2", end laps should be a minimum of 4", all membrane terminations should be sealed with a 1" wide troweled bead of JS 160-H Mastic (or equivalent, contact Protecto Wrap Company Technical Representative for assistance).

For window and door applications: Apply first piece of **PW 100/40** to the rough opening sill; firmly roll into place using a hand roller (J-roller, Laminate roller) to smooth out any wrinkles, air bubbles or creases that would allow water to migrate behind the membrane. Set window into the rough opening and fasten per window manufacturer's instructions. Apply vertical pieces over the nailing flange at the sides of window frame, firmly roll into place using a hand roller to smooth out any wrinkles, air bubbles or creases, apply the final piece over the top nail flange and overlap the vertical sides pieces, firmly roll into place using a hand roller to smooth out any wrinkles, air bubbles or creases.

* Additional methods and details can be found at www.protectowrap.com or call (800) 759-9727.

CLEAN UP

Dispose of waste in accordance to local requirements. Control worksite so that boxes and release liner do not present a hazard.

Packaging materials and release liner can be recycled.

CAUTION

PW 100/40 should not come into contact with solvent based products, polysulfide's, plasticized PVC roofing materials or high concentrations of resins (pitch).

² Note: It is very important in full coverage envelope applications that the **PW 100/40** is tightly sealed into the roofing and below grade waterproofing systems and perimeter flashings to retain the integrity of the vapor barrier throughout the entire structure. In full building envelope applications the dew point of the wall assembly must be engineered to the exterior of the building.

LIMITED WARRANTY

This product is covered by the Protecto Wrap Standard 10 Year Limited Warranty.

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