



PW 100/40 Ice & Water Guard HT™
 High Temperature Self Adhered Air / Vapor Barrier / Thru-Wall Flashing
 with Protecto Wraptor™ Tri-Layer Film Technology

TECHNICAL DATA

Properties	Test Method	Test Results
Surface Color		Green
Thickness		40 mil
Tensile Strength	ASTM D412	Minimum 1600 psi
Elongation (adhesive only)	ASTM D412	500%
Puncture Resistance	ASTM E154	>250 psi
Low Temp Flex	ASTM D1970	No cracks or delamination
Adhesion to Plywood	ASTM D903	4.5lb/in width (unprimed)
UV Exposure period		12 months
Operating Temperature		Up to 250°F (up to 121°C)
Permeance	ASTM E96	<.05

PACKAGING

36" x 75' roll (225 sq ft)

DESCRIPTION

PW 100/40 Ice & Water Guard HT is a cold applied, self-adhering membrane composed of a proprietary slip resistant, tri-layer, woven polyolefin fabric coated on one side with a layer of high temperature recycled butyl hybrid adhesive.

FEATURES

- Proprietary RECYCLED butyl hybrid adhesive
- Waterproof, Air and Vapor Barrier
- 12 month UV exposure rating
- Fully adhered system
- Proprietary Protecto Wraptor™ Tri-Layer, Engineered Film Technology
- Seals around properly installed fasteners
- Can be installed Horizontally or Vertically (as code allows)

USES

Used as a full building wrap in envelope applications in cavity wall construction as an air/vapor barrier membrane.¹

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 in service applications that exceed 250°F (121°C).

Not recommend for use under or in contact with highly conductive metal flashings such as Copper, Cor-Ten or Zinc.

SHELF LIFE

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

STORAGE

PW 100/40 Ice & Water Guard HT 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. Do not store rolls on end.

PREPARATION

Substrate shall be clean, dry and free of any foreign materials. The substrate shall be free of gaps, sharp edges and protrusions.

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

Priming

Prime DensGlass Gold[®], DensDeck[®], masonry and concrete substrates: for other substrates such as wood composition and gypsum sheathing, prime as necessary if adhesion is found to be marginal. Refer to: Technical Letter Primer Recommendations for more information regarding primer recommendations and Technical Letter Adhesion to Substrates for adhesion guidelines.

APPLICATION

For full wall air/vapor barrier applications: **PW 100/40 Ice & Water Guard HT** 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 Ice & Water Guard HT** 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 side 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 Ice & Water Guard HT should not come into contact with solvent based products, polysulfide's, plasticized PVC roofing materials or high concentrations of resins (pitch).

¹ Note: It is very important in full coverage envelope applications that the **PW 100/40 Ice & Water Guard HT** 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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