



Premium Building Products
That Protect

TECHNICAL DATA

Properties	Test Method	Test Results
Color		White/Gray
Thickness		25 mils
Tensile Strength	ASTM D1970 Section 7.3	MD = 221 psi / CD = 245 psi
Self Sealability / water penetration resistance around nails	ASTM D1970 Section 7.9	After 24 hour – Pass After thermal cycling - Pass
90°Peel adhesion	ASTM D3330, Method F 1.5 lbs/in min	Pass on OSB, Aluminum, Vinyl, Plywood, Stucco, Fiber-cement, glass-faced gypsum and ICF foam
90°Peel adhesion after accelerated aging	ASTM D3330, Method F 1.5 lbs/in min	Pass
90°Peel adhesion at elevated temperature	ASTM D3330, Method F 1.5 lbs/in min	Pass @ Level 3 - 80°C (176°F) 7 days
90°Peel adhesion after thermal cycling	ASTM D3330, Method F 1.5 lbs/in min	Pass
90°Peel adhesion after water immersion	ASTM D3330, Method F 1.5 lbs/in min	Pass
Cold temperature pliability	ASTM C765	Pass
Peel from itself (overlap)	AAMA 711 Annex 2	Pass
Low Temperature Flex	ASTM D1970	-20F (-29C) No cracks or delamination
Elongation @ Break (%)	ASTM D1970	MD = 569 / CD = 578
Elongation (adhesive only)	ASTM D412	500%
Permeance	ASTM E96	0.01 perms max
Installation Temperature		40°F to 120°F (5°C to 48°C)
In-Service Temperature		-45°F to 240°F (-42°C to 116°C)

PACKAGING

Roll Widths: 4", 6", 9", 12", 18", 36"

Roll Length: 75 feet per roll

DESCRIPTION

BT25XL™ is a cold applied self-adhering membrane composed of a tough cross laminated High Density Polyethylene surface coated on one side with a layer of proprietary blend of polymer modified asphalt adhesive.

FEATURES

- Proprietary asphalt adhesive
- 120 Day UV exposure rating
- Fully adhered system
- Meets or exceeds AAMA 711-07 requirements for self-adhered window and door flashing
- Meets and/or exceeds CSA A440.4-07 requirements for window and door flashing
- Seals around properly installed fasteners
- Compatible with and will adhere to most construction surfaces¹

- Forms a positive air/vapor barrier²

USES

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

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

Sealing around skylights, recommend counter flashing to protect **BT25XL** from UV damage

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 recommend to be applied over uncured (wet) sealants or adhesives, even if compatible

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

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

SHELF LIFE

BT25XL maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

STORAGE

BT25XL 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.

Cold Weather Storage – products should be stored in original containers in a warm dry area between 50°F to 90°F (10°C to 32°C). Product should be kept warm a minimum of 24 hours prior to and just up to installation.

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, exterior gypsum, saturated felt type building wrap or cannot be cleaned to a like new surface or the surface is damp or below 40°F (5°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.

Protecto Wrap Company recommends field testing substrates for adhesion before full application. 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; Technical Letter Adhesion to Substrates.

When used on ICF, the surface must be clean, dry and free of all dirt, dust and debris prior to application of the membrane. Protecto Wrap Company recommends testing the ICF for adhesion. If adhesion to the ICF substrate is found to be marginal, then only the Universal Water Based Primer shall be used to ensure optimal adhesion.

APPLICATION

Apply first piece of **BT25XL** to the rough opening sill; the **BT25XL** should overlap the housewrap or building paper at the 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 of

BT25XL over the nailing flange at the sides of window frame and directly onto the exterior sheathing, firmly roll into place using a hand roller to smooth out any wrinkles, air bubbles or creases, apply the final piece of **BT25XL** over the top nail flange and overlap the vertical sides pieces adhering directly to the exterior sheathing, firmly roll into place using a “J” roller or hand roller to smooth out any wrinkles, air bubbles or creases. Apply housewrap or building paper over the **BT25XL** at the sides and head of the window. Use housewrap tape or equivalent to seal the housewrap to the exterior of the **BT25XL**.

For ceiling and soffit applications: the substrate must be fully primed and allowed to cure prior to full application. Membrane should be firmly rolled into place using a hand roller to smooth out any wrinkles, air bubbles or creases. Mechanical fasteners should be applied at perimeter of membrane as needed to ensure full contact.

For **Cold Weather Applications**, products should be stored in original containers in a warm dry area between 50°F to 90°F (10°C to 32°C). Product should be kept warm a minimum of 24 hours prior to and just up to installation. 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 Cold Weather Applications”.

* Additional methods and detail drawings 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

BT25XL should not come into contact with solvent based products, polysulfide's, plasticized PVC or TPO type roofing materials or high concentrations of resins (pitch).

² Note: It is very important in full coverage envelope applications that the **BT25XL** is tightly sealed into the roofing and below grade waterproofing systems and perimeter flashings to retain the integrity of the air/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.

Protecto Wrap Company recommends the use of safety glasses and gloves. Protecto Wrap Company recommends the use of appropriate fall protection when working above ground level.

LIMITED WARRANTY

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

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