



Premium Building Products
That Protect

Protecto Seal 45™
Exposable Waterproofing Membrane

TECHNICAL DATA

| Properties | Test Method | Test Results |
|-----------------------|-------------|---------------------------------------|
| Color | | Aluminum Silver, White |
| Thickness | | 45 mil |
| Tensile Strength | ASTM D412 | 400psi |
| Peel Strength | ASTM D903 | 9 lb/in. |
| Puncture Resistance | ASTM E154 | 75 lbs |
| Elongation | ASTM D412 | 225% |
| Nail Sealability | ASTM D1970 | Pass |
| Operating Temperature | | -42.69°F to 240°F (-41.49°C to 115°C) |

PACKAGING

Roll Width: 4", 6", 12", 36"
Roll Length: 50'

DESCRIPTION

- Protecto Seal 45 is a 45 mil cold applied self-adhering waterproofing membrane composed of a tough cross laminated High Density Polyethylene film laminated to an aluminum foil for UV resistance and weatherability. The adhesive is composed of our Proprietary RECYCLED butyl hybrid adhesive

FEATURES

- Proprietary RECYCLED butyl hybrid adhesive
- UV rated for long term exposure
- Fully adhered system
- Aluminum foil facer film for added sealant adhesion
- 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 membrane for commercial window and door flashings, skylights, parapet walls, vent stacks, metal buildings. Also used as a system for complete roof coverage on low-pitched and porch roofs, mobile home roofs, RV's, gutters, valleys and HVAC units.

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), or under high temp metal coverings, such as copper or zinc.

SHELF LIFE

Protecto Seal 45 maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

STORAGE

Protecto Seal 45 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

Substrate surfaces shall be clean, dry and free of any foreign materials. The substrate 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 window and door applications: Apply first piece of Protecto Seal 45 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.

For roof applications:

Protecto seal 45 can be installed on any exterior grade solid sheathing normally used for roof decking. Install membrane such that all laps shed water in both vertical and horizontal installations. Valleys require a minimum 18" wide roll of Protecto Seal 45 centered down the full length of the valley. Install membrane starting at the lowest point of roof slope and work up the slope. Position the roll into the desired location, roll out the membrane and cut to length as needed. Align the roll with edge of eave or overlap of preceding roll, pull membrane tight, start by removing a portion of the release liner and adhere to roof deck (reposition as needed prior to removing the remaining release liner). Lift the opposing end of the membrane and remove or strip the release liner, pulling it to one side, keep membrane aligned and tight, adhere membrane to the roof deck while another person brooms the sheet flat. Edge laps are 4" minimum and end laps are 6" minimum. All laps should be firmly pressed and/or rolled to minimize creases and wrinkles and insure a positive seal, All terminations edges and overlaps should be sealed with Protecto Sealant 25XL.

* Additional methods and details can be found at www.protectowrap.com.

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 paper can be recycled.

CAUTION

Protecto Seal 45 should not come into contact with solvent based products, polysulfide's, plasticized PVC roofing materials or high concentrations of resins (pitch). Protecto Wrap Company recommends the use of safety glasses and gloves.

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 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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