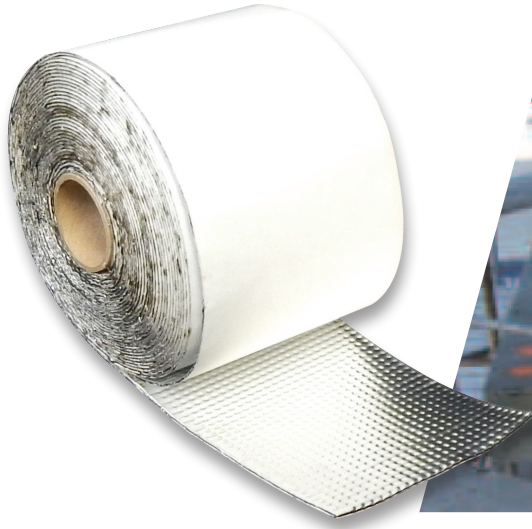




Protecto

PROTECTO SEAL 45 BUTYL™

Exposable Waterproofing Membrane



An All Purpose,
Weatherproofing and UV
Resistant Membrane for
Skylights, Gutters, HVAC
Units & Commercial
Window Flashing

PROTECTO SEAL 45 BUTYL is a cold applied, self-adhering membrane composed of a 45 mil high temperature recycled butyl adhesive, self-adhered waterproofing membrane with a tough cross laminated polyethylene film laminated to an aluminum foil for UV resistance and weatherability.

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.

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.

** If surface is Dens Glass 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 info.*

** 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.*

FEATURES & BENEFITS

- Proprietary recycled butyl adhesive
- Waterproof, air and vapor barrier
- Full UV exposure
- Fully adhered system
- Recommended for high altitude, high temperature and/or highly conductive metal cladding/flushing (copper, Cor-Ten, zinc) applications
- Seals around properly installed fasteners
- Can be installed horizontally or vertically (as code allows)
- Compatible with EPDM
- Aluminum foil facer film – for superior silicon or urethane sealant adhesion construction surfaces



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APPLICATION:

For full wall air/vapor barrier applications: Protecto Seal 45 Butyl 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 160H Mastic (or equivalent, contact Protecto Wrap Company Technical Representative for assistance).

For window and door applications: Apply first piece of Protecto Seal 45 Butyl 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.

AVAILABLE SIZES:

4" x 50' Roll

6" x 50' Roll

9" x 50' Roll

12" x 50' Roll

Roof Applications:

Protecto Seal 45 Butyl 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 Butyl 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.

LIMITATIONS:

Not recommended for use in high temperature applications that may exceed 300°F (149°C).

SHELF LIFE:

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

STORAGE:

Protecto Seal 45 Butyl 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.

CLEAN UP:

Dispose of waste in accordance to local requirements. Control work site so that boxes and release liner do not present a hazard. Packaging materials and release paper can be recycled.

CAUTION:

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

LIMITED WARRANTY:

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

For warranty and additional information, please contact your Protecto Wrap Company Representative.

TECHNICAL PROPERTIES

PROPERTIES	ATTRIBUTES	TEST RESULTS
Color	Aluminum Silver or white	
Thickness	45 mil	
Tensile Strength	400 psi	ASTM D412
Peel Strength	40 psi	ASTM D903
Puncture Resistance	75 lbs	ASTM E154
Low Temp Flex	No cracks or delamination	ASTM D1970
Elongation	Min. of 225%	ASTM D412
Nail Sealability	Pass	ASTM D1970
Operating Temperature Range	45°F (7°C) - 300°F (149°C)*	
Permeance	< 05	ASTM E96

*If temperature is below 45°F (7°C), primer should be used prior to the application of the membrane.



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