

**Protecto Premium Energy Sill Sealer**  
Energy Saving Sill Sealer**TECHNICAL DATA**

Properties	Test Method	Test Results
Color		White closed cell foam/Black rubberized asphalt adhesive
Thickness overall		7/16"
Elongation (adhesive only)	ASTM D412	500%
Permeance	ASTM E96	0.01 perms max.
Nail Sealability	ASTM D1970	Pass
Compression Strength (foam)	ASTM D3575-00 Suffix D	4.3
Vertical Direction	@25% / 50%	12.2
Compressions Set (%)	ASTM D3575-00 Suffix B	< 25
Tensile Stress (psi)	ASTM D3575-00 Suffix T	50
	MD/CMD	27
Elongation (%) foam only	ASTM D3575-00 Suffix T	70
	MD/CMD	68
Tear Resistance (lb/in)	ASTM D3575-00 Suffix G	11
	MD/CMD	16
Density Range	ASTM D3575-00	1.5 – 1.9
Thermal Resistance Factor R-Value (HR-FT <sup>2</sup> -°F/BTU)	ASTM C518-91	1.30 – 1.60
Thermal Conductivity K-Value (BTU-IN/HR/FT <sup>2</sup> -°F)	ASTM C518-91	0.35 – 0.42
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 Width: 3 1/2", 5 1/2"

Roll Length: 25'

**Description**

Protecto Premium Energy Sill Sealer is a self-adhering membrane with Rubberized Asphalt adhesive capped with a 3/8" layer closed cell polyethylene foam and is designed to go between the sill plate and the foundation or slab.

**Features**

- A full 3/8" closed cell foam layer that is 50% thicker than ordinary loose laid sill sealers.
- Forms a tight gasket on horizontal and vertical surfaces
- Increases energy-efficiency and keeps rodents and insects out of the building
- Conforms to irregular surfaces and protects against foundation and sill plate shrinkage
- 6-week exposure rating
- Self-adhering membrane allows for product to stay in place during construction even in windy conditions
- Adheres to horizontal and vertical surfaces
- Exceeds building codes
- Will not rot or deteriorate with age.
- Works in residential and commercial construction
- Adheres to wood and metal framing



## Protecto Premium Energy Sill Sealer

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### Uses

Protecto Premium Energy Sill Sealer is used as an air and water barrier that seals the voids and irregularities between the concrete foundation and the framed wall sill plate. If you are unsure of the application contact Protecto Wrap for assistance.

### Limitations

- Not recommended to be exposed for more than 6 weeks,
- Not recommended for use over or near solvent-based sealants.
  - See Technical Letter regarding 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, TPO and EPDM type roof coverings.
- Not recommended in high temperature applications to exceed 240°F (°C)
- On block wall construction adhesive layer of Protecto Energy Sill Sealer must have 100% contact with a solid surface
- If you have questions on limitations contact Protecto Wrap

### Shelf Life

Protecto Premium Energy Sill Sealer maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

### Storage

Protecto Premium Energy Sill Sealer should be stored in the original, unopened container at ambient temperatures between 40-90°F (4 - 32°C). Storage area should remain dry and out of direct sunlight. Do not remove materials from original containers until ready for use. Opened rolls should be stored in an airtight manner.

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 cleaned and/or abraded to achieve optimum adhesion.

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.



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**Application**

Areas to be sealed must be clean and dry. Knock off and remove any rough or jagged edges. **Protecto Premium Energy Sill Sealer®** should be placed flush with the outside perimeter of the foundation. Peel off the paper release backing and begin rolling or pressing the adhesive bottom onto the top of the foundation wall.

Should you have re-bar or anchor bolts coming out of the foundation, simply make an "X" cut in the back of **Protecto Premium Energy Sill Sealer®** and slide over the protrusion pressing firmly in place. Butt joints should be installed with foam tight together. If additional sealing is needed over the joint, use a 4" x 8" piece of Protecto® Universal Primer Free Membrane or Protecto Super Stick Building Tape®.

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 details can be found at [www.protectowrap.com](http://www.protectowrap.com) or call 800-759-9727

**Clean Up**

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

**Caution**

Protecto Premium Energy Sill Sealer should not come into contact with solvent based products, polysulfides, plasticized PVC roofing materials or high concentrations of resins (pitch).

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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