



Premium Building Products
That Protect

1. Product Name

Protecto Premium Energy Sill Sealer®

Primers & Accessories

- Protecto-Tak Spray Primer
- No. 100 Primer

2. Manufacturer

Protecto Wrap Co.
1955 South Cherokee St.
Denver, CO 80223

(800) 759-9727

(303) 777-3001

Fax: (303) 777-9273

E-mail: info@protectowrap.com

www.protectowrap.com

3. Product Description

BASIC USE

Protecto Premium Energy Sill Sealer® combines a full 3/8" (9.5 mm) thick, closed cell polyethylene foam membrane with an aggressive self-adhering waterproofing membrane. The resulting product bridges the voids and irregularities between the top of the concrete foundation and the sill plate. These voids, which are a leading cause of costly callbacks for builders across the nation, result in basement water leaks, insect/rodent infiltration and energy loss.

Protecto Premium Energy Sill Sealer's unique, patented design adheres to the top of the foundation. It completely and effectively seals off the cold joint between the foundation and the framing, making this the only self-adhesive air and moisture sill barrier. Protecto Premium Energy Sill Sealer is suitable for application in residential, commercial and multifamily construction applications, including slabs on grade, crawl spaces and basements.

BENEFITS

- Forms a permanent bond between the top of the concrete foundation and the sill plate
- Eliminates a major source of costly callbacks
- Extremely resilient - Will not rot or deteriorate with age
- Ease of application - Peel and stick; no fasteners required
- Adheres to concrete, block, wood, metal, vinyl, brick and foam surfaces

- Provides 1.5 times more protection from energy loss over standard 1/4" (6.4 mm) sill sealers offered by other manufacturers
- Has among the most aggressive adhesives of any sealing tapes
- Prevents carbon monoxide from entering living or work spaces through garage areas
- Installs with only a utility knife

COMPOSITION & MATERIALS

Protecto Premium Energy Sill Sealer is a 3/8" (9.5 mm) thick, aggressive rubberized adhesive membrane that forms an air/vapor moisture barrier system. The product is a black, opaque, sticky solid with a white or colored foam layer with no odor.

SIZE

Protecto Premium Energy Sill Sealer is available in 3 1/2" and 5 1/2" (89 and 140 mm) widths.

PACKAGING

- 3 1/2" x 25' (89 mm x 7.6 m)
- 5 1/2" x 25' (140 mm x 7.6 m)

LIMITATIONS

Do not use solvent based caulks in conjunction with Protecto Premium Energy Sill Sealer.

4. Technical Data

APPLICABLE STANDARDS

ASTM International - ASTM E283 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen

APPROVALS

Protecto Premium Energy Sill Sealer exceeds all local, state and national building codes. Consult manufacturer for current information on approvals by code bodies and other industry entities.

PHYSICAL PROPERTIES

- Flash point - > 320 degrees F (160 degrees C)
- Bulk density - 15.723 lb/gal
- Specific gravity - 1.883
- Melting point (softening point) - 220 degrees F (104 degrees C)
- VOC content - 0%

ENVIRONMENTAL CONSIDERATIONS

Protecto Premium Energy Sill Sealer was tested and analyzed at the Oak Ridge National Laboratories and was found to provide significant energy savings.



Protecto Premium Energy Sill Sealer®

5. Installation

STORAGE & HANDLING

Store in a cool, well-ventilated area away from excessive heat and sources of ignition.

PREPARATORY WORK

Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact. Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

Surfaces should be clean, dry, free of dirt and other foreign matter. Knock off and remove any rough or jagged edges. There should be no solvent based caulks used in conjunction with Protecto Premium Energy Sill Sealer. This product eliminates the need for caulk.

For best results, apply Protecto Premium Energy Sill Sealer at a temperature above 45 degrees F (7 degrees C). For applications from 20 - 45 degrees F (-7 - 7 degrees C), the material must be stored in a warm area above 60 degrees F (16 degrees C) prior to use.

APPLICATION

Apply Protecto-Tak Spray Primer or No. 100 Primer to clean surface and allow to dry prior to installing Protecto Energy Sill Sealer. Do not cover wet primer.

Begin unrolling Protecto Premium Energy Sill Sealer and, as it is unrolled, peel off the release liner and press the exposed adhesive side down to the top of the foundation wall.

When rebar or anchor bolts protrude from the foundation, simply make an "X" cut in the

back of the Protecto Premium Energy Sill Sealer and slide it over the protrusion, pressing it firmly into place. For hurricane straps, slit the area between the 3/8" (9.5 mm) foam and the top flap of the Protecto Premium Energy Sill Sealer and slide it over the strap.

PRECAUTIONS

- Care should be taken not to leave the membrane exposed to direct sunlight for over 120 days
- Any caulking that contains solvents must not be used on or around the Protecto Premium Energy Sill Sealer membrane
- Protecto Wrap Protecto Premium Energy Sill Sealer is not flammable but will burn under fire conditions. Inhalation of vapors from heated product may cause irritation of the nose, throat and respiratory system. Refer to MSDS for additional information and warnings

6. Availability & Cost

AVAILABILITY

Protecto Premium Energy Sill Sealer is manufactured in Denver, CO, and is available worldwide through a network of Protecto Wrap distributors. For detailed product information or to find a local representative or distributor, contact the Protecto Wrap Co.

COST

Protecto Premium Energy Sill Sealer is competitively priced. Contact a local representative or the corporate office for information.

7. Warranty

Protecto Wrap Co. expressly warrants, subject to the Exclusion Of Warranties provision, that its products shall be fit for the ordinary purposes for which such products are intended for the lifetime of the structure. Contact the manufacturer for complete warranty details.

8. Maintenance

None required, if installed in accordance with manufacturer's recommendations.

9. Technical Services

Complete technical assistance and information are available from Protecto Wrap field representatives and distributors or by contacting the manufacturer.

10. Filing Systems

Additional product information is available from the manufacturer.

Protecto Premium Energy Sill Sealer® can reduce air infiltration as recommended by the ENERGY STAR® Home Sealing Process.

