



Premium Building Products
That Protect

1. Product Name

Protecto Energy Plate Liner™

Primers & Accessories

- Protecto-Tak Spray Primer
- No. 100 Primer

2. Manufacturer

Protecto Wrap Co.
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3. Product Description

BASIC USE

Protecto Energy Plate Liner™ is designed specifically to conform to and seal off the air gaps between the floor deck and exterior wall plates. The unique peel-and-stick adhesive bottom of Protecto Energy Plate Liner allows for easy and precise placement. The 1/4" (6.4 mm) closed cell foam forms a gasket seal beneath the exterior wall plate that virtually eliminates any air drafts, resulting in tremendous energy savings. Protecto Energy Plate Liner is suitable for application in residential, commercial and multifamily construction.

BENEFITS

- This 1/4" (6.4 mm) closed cell foam plate liner totally stops air and moisture infiltration between the wood floor and wall plate to significantly reduce energy costs
- Extremely resilient - Will not rot or deteriorate with age
- Self-adhering for easy and precise placement
- Exceeds all local, state and national building codes
- Adheres to concrete, block, wood, metal, vinyl, brick and foam surfaces
- Has among the most aggressive adhesives of any sealing tapes
- Prevents carbon monoxide from entering living or work spaces through garage areas

COMPOSITION & MATERIALS

Protecto Energy Plate Liner is a 1/4" (6.4 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 Energy Plate Liner 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 Energy Plate Liner.

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 Energy Plate Liner 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 Energy Plate Liner was tested and analyzed at the Oak Ridge National Laboratories and was found to provide significant energy savings.

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



Protecto Energy Plate Liner™

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. Solvent based caulks should not be used in conjunction with Protecto Energy Plate Liner. This product eliminates the need for caulk.

For best results, apply Protecto Energy Plate Liner 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 Plate Liner. Do not cover wet primer.

Align Protecto Energy Plate Liner with the exterior perimeter of the floor deck. As the Protecto Energy Plate Liner is unrolled, remove the release paper and press the adhesive bottom into place. Apply adequate pressure to ensure maximum adhesion to the substrate. Continue with frame construction.

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 Energy Plate Liner membrane
- Protecto Wrap Protecto Energy Plate Liner

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 Energy Plate Liner 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 Energy Plate Liner 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 Energy Plate Liner™ can reduce air infiltration as recommended by the ENERGY STAR® Home Sealing Process.

