



Premium Building Products
That Protect

1. Product Name

Protecto Flex Peel-and-Stick Flashing Tape

Primers & Accessories

- BT-Primer
- Protecto-Tak Spray Adhesive

2. Manufacturer

Protecto Wrap Co.
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3. Product Description

BASIC USE

Protecto Flex is a 60 mil (1.5 mm) thick peel-and-stick flashing tape. The flexible cross-laminate top surface will expand and conform to irregular or curved surfaces, while the aggressive adhesive adheres to form a permanent bond between the window fin and the building substrate. Protecto Flex provides a complete air and water seal, and it eliminates the need to cut and patch the membrane to conform to door and window openings. Protecto Flex is suitable for sealing the following applications:

- Window and door perimeters to the building substrate
- Joints in stucco insulation systems
- Wallboard joints
- Beneath metal cap flashings for full building coverage as an air/vapor barrier
- Other areas where a water or air seal is needed

BENEFITS

- Protecto Flex can expand and conform to radius or curved window fins
- Aggressive adhesive forms a permanent bond between the window fins and the building substrate
- Ease of application - Peel and stick; no fasteners required
- Adheres to plywood, OSB, vinyl, polyethylene, aluminum, metal, foam, concrete and



Protecto Flex application

masonry surfaces

- May be left exposed up to 120 days
- Has among the most aggressive adhesives of any flashing tapes
- Backed by over 50 years of manufacturing expertise

COMPOSITION & MATERIALS

Protecto Flex is a 60 mil (1.5 mm) polyethylene-backed, aggressive rubberized adhesive membrane that forms an air/vapor moisture barrier system. Protecto Flex can be installed and left exposed for 120 days without any UV degradation.

ACCESSORY MATERIALS

BT-Primer and Protecto-Tak Spray Adhesive are specially formulated for use with Protecto Flex.

BT-Primer and Protecto-Tak Spray Adhesive are high tack primers for use over Dens-Glass Gold®, OSB, metal, wood, dry concrete and dry masonry. BT-Primer is moisture tolerant and is suitable for use on moist or damp Dens-Glass Gold. BT-Primer is VOC compliant.

BT25XL Window & Door Sealing Tape is a tough-faced, self-adhering air/vapor barrier

and waterproofing membrane that provides superior performance when applied to straight vertical sides of windows and doors.

PACKAGING

See Tables 2 and 3 for packaging information.

LIMITATIONS

Do not use solvent based caulks in conjunction with Protecto Flex.

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials

APPROVALS

Consult manufacturer for current information on approvals by code bodies and other industry entities.

PHYSICAL PROPERTIES

See Tables 1 and 4 for additional testing information.

5. Installation

STORAGE & HANDLING

Store all materials in a dry space at temperatures between 50 and 90 degrees F (10 and 32 degrees C). Do not store in direct sunlight. Do not remove from box until ready to use.

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. There should be no solvent based caulks used in conjunction with Protecto Flex. This product eliminates the need for caulk.

For best results, apply Protecto Flex 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 prior to use and must be applied with either Protecto Wrap BT-Primer or Protecto-Tak Spray Adhesive. OSB surfaces must be primed with spray adhesive.

BT-Primer Application

Apply primer to all surfaces by roller or brush. The primed surface must be free of runs, puddles or excessive primer, as this can cause blistering.

Brush or roll out all primer puddles or drips immediately. Prime only as much area as can be covered in half a day's work. Reprime areas not covered in half a day's work with a light coat of BT-Primer.

The primer will become tack free in approximately 10 - 20 minutes. When not in use, containers must be tightly sealed to minimize evaporation of the solvents.

Note - Some surface bubbling in the primer may occur as it cures. This will not affect performance of the product. Bubbles will smooth out as the membrane is applied.

Protecto-Tak Application

Shake can before using. Turn spray tip so arrow points to dot on rim. Hold can 6" - 8" (152 - 203 mm) from surface to be sprayed and apply.

TABLE 1 TYPICAL PHYSICAL PROPERTIES (PROTECTO FLEX)

Thickness, mil	60 mil (1.5 mm)
Color	White/gray
Elongation (ASTM D412), %	500 (rubberized asphalt adhesive only)
Tensile strength (ASTM D412), psi (kPa)	975 (6718)
Moisture vapor transmission rate (ASTM E96) perms, max	0.01
Maximum exposure time, days	120

TABLE 2 PACKAGE INFORMATION (PROTECTO FLEX)

Roll size	Rolls/case	lb (kg)/case	Cases/pallet
4" x 50' (102 mm x 15.2 m)	12	82 (37.2)	18
6" x 50' (152 mm x 15.2 m)	8	82 (37.2)	18

Note - Other sizes are available upon request.

TABLE 3 PACKAGE INFORMATION (BT-PRIMER, PROTECTO-TAK SPRAY ADHESIVE)

Product	Quantity	Packaging	Weight
BT-Primer	1 gal (3.8 L)	4 gal/carton	9 lb (4.1 kg)
BT-Primer	5 gal (19 L)	1 pail	46 lb (21 kg)
Protecto-Tak	16.5 ounce can	12 cans/carton	17 lb (7.7 kg)

TABLE 4 TYPICAL PHYSICAL PROPERTIES (BT-PRIMER & PROTECTO-TAK SPRAY ADHESIVE)

Properties	BT-Primer	Protecto-Tak
Adhesion to wood	Excellent	Excellent
Adhesion to steel	Excellent	Excellent
Adhesion to dry concrete	Excellent	Excellent
Adhesion to masonry	Excellent	Excellent
Adhesion to membrane	Excellent	Excellent
Coverage	150 ft ² /gal (3.8 m ² /L)	2 oz - 4" x 100' (102 mm x 31 m)
Shelf life (minimum)	1 year	1 year
Tack-free time (minutes)	10 - 20	10 seconds - 15 minutes
Flash point	24 degrees F (-4 degrees C)	-42 degrees F (-41 degrees C)

Clean oversprayed areas with a 3:1 isopropyl alcohol to water ratio.

APPLICATION

After BT25XL has been applied to the vertical sides, cut a piece of Protecto Flex Tape to the length required to cover curved top and allow for 4" (102 mm) overlaps over the BT25XL on both sides. Remove approximately 4" (102 mm) of release paper and begin adhering Protecto Flex Tape. Smooth the Protecto Flex Tape as the adhesive back comes into contact with the window fin and building substrate.

Protecto Flex Tape will expand and follow the contours of the radius of a window as it completely seals the window fin to the building substrate. Trim any excess Protecto Flex Tape from the window area.

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 Flex membrane
- BT-Primer or Protecto-Tak Spray Adhesive must be used in applications with temperatures below 45 degrees F (7 degrees C)
- BT-Primer or Protecto-Tak Spray Adhesive must be used on weathered surfaces, masonry, concrete, Dens-Glass Gold® and OSB surfaces
- Protecto Flex must be stored in a location with temperatures above 50 degrees F (10 degrees C)
- Protecto Wrap solvent-based primers/mastic are flammable. Avoid exposure to open flames, sparks, etc. Use only in areas with adequate ventilation. Refer to MSDS for additional information and warnings

6. Availability & Cost

AVAILABILITY

Protecto Flex 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 Flex 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 a period of 5 years. 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

- Reed First Source
- MANU-SPEC®
- Additional product information is available from the manufacturer.