



Premium Building Products
That Protect

Protecto Seal 45

Self-Adhering Foil-Faced
Membrane Flashing

Description

Protecto Wrap Company's **Protecto Seal 45 (PS-45)** is a peel and stick membrane for use as an exposable or concealed flashing in everyday construction. PS-45 is a 45 mil. Thick Foil-Faced sheet waterproofing membrane that easily bonds to a variety of surfaces. A tough cross laminated polyethylene film is laminated to an aluminum foil to provide UV resistance and weatherability. The film is then laminated to an aggressive rubberized asphalt based adhesive with a release paper on the bottom. The foil-faced surface is compatible with, and provides superior adhesion with most one-part urethane and silicone sealants.

Features

- The rubberized asphalt adhesive is compatible with and will adhere to Dens Glass Gold, steel, wood, concrete, Building Paper, Block CMU walls, Drywall, Insulation board, Cement board, House & Building Wraps, Vinyl, Plywood, and OSB sheathing.
- Utilizes a paper release backing that contributes to the ease of application.
- There are multiple uses that utilize the aggressive rubberized asphalt characteristics of the membrane, some include:
 - As a full exposable waterproof membrane covering for parapet walls
 - Sealing window and door perimeters to the building substrates
 - As a through-wall flashing for masonry construction
 - Sealing around skylights
 - Sealing joints in exterior gypsum board
 - Sealing penetrations in roof and wall systems
 - Repairing metal and low-sloped roofs
 - Sealing gutters

Physical Properties

PROPERTY	VALUE	TEST METHOD	PROPERTY	VALUE	TEST METHOD
-Color	Aluminum		-Tensile Strength-Membrane (MPa)	400 psi	ASTM D412 (Die C) modified
Thickness	45 mils		-Elongation-Ultimate failure of rubberized asphalt (%)	225%	ASTM D412 (Die C) modified
Application Temperature	40° F		-Puncture resistance (stretched by blunt object)	75 lbs	ASTM E154
-Cycling over crack at -30°C (-20°F)	No effect 100 Cycles	See Footnote 1	In Service Temperature	-20°F to 140°F	

Footnotes:

1. Membrane is applied across 2 primed blocks with no separation between blocks. At -15 degrees F (-26° C), blocks are pulled apart 1/4" (6.4 mm), and then returned to original position. Cycle is repeated 100 times. For joint cycling, the blocks are double covered with membrane separated by 1" (25.4 mm), then cycled at -15° F (-26° C) between 3/4" and 1 1/4" (19.1 and 32 mm) for a minimum of 1000 cycles.

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Packaging

-Thickness	50 mils
-Roll length	50'
-Roll width	4" 6" 12" 36"

Storage & Handling

Store all material inside 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 material from box until ready to use. For cold weather applications, store the product in a heated airspace at a temperature of 50 degrees F (10 degrees C) or higher for at least 1 day prior to application and remove only the material that can be applied within 2 hours. Store materials away from flames or sparks.

Surface Preparation

Prior to application, ensure that all surfaces are clean, dry and free of dirt and other foreign matter. Depending on site and environmental conditions, Protecto Wrap BT-Primer, #100 Primer, or Protecto-Tak Spray Adhesive maybe needed on some surfaces, so a test area should always be done on every job site to check adhesion & possible requirement for the use of a primer. It is recommended that you apply the PS-45 self-adhering membrane at a temperature above 40° F (4° C) however, should application below this temperature be necessary, consult a Protecto Wrap representative.

Application

The application surface must be cleaned using a broom, a vacuum or an air compressor dispensing clean, dry air so that all dust and foreign matter are removed. Unroll the PS-45 self-adhering membrane to the desired length and begin applying the membrane by removing the release paper and smoothing it into place. Overlaps shall be a minimum of 4" in any direction. Align membrane and peel off the first 2" of the release paper and adhere sheet to the substrate being careful to maintain proper alignment. Pressure is essential to eliminate any wrinkles or trapped air and to form a secure bond. Note - It is very important in full envelope applications that the PS-45 self-adhering membrane be securely sealed to adjacent waterproofing systems and perimeter flashings to retain the integrity of the weather resistive and/or air barrier throughout the building envelope.

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 10 years. Contact the manufacturer for complete warranty details.