

## PROTECTO WRAP SAFSEAL SYSTEMS

# 6640 ROOFING UNDERLAYMENT



### Protecto Wrap Safseal Systems 6640 Roofing

**Underlayment Membrane** is a self-adhering 40 mil peel-and-stick synthetic butyl rubber-based roofing underlayment used for protecting roof substrates against water seepage caused by wind-driven rain and ice-dam backups. 6640 is used in new and retrofit construction roofing, beneath single-ply, shingles, shakes, tile and metal roof systems. The membrane will self-adhere with positive and immediate adhesion to metal, wood and untreated plywood, and will adhere to masonry, precast concrete, cast in place concrete, lightweight structural concrete, and treated plywood with the use of 5500 Primer.

6640 consists of a high quality cross-laminated, thermal-resistant, skid-resistant polyethylene top combined with a self-sealing, butyl rubber-based adhesive. The synthetic butyl rubber adhesive compound provides excellent thermal resistance to high-temperature and extreme low-temperature environments. The butyl compound adhesive has been tested and proven not to cold flow at elevated temperatures up to 300°F (149°C).

6640 is manufactured for application on sloped and low-pitched roofs (down to 2:12 roof pitches). The high-temperature flow resistance of 6640 makes it an excellent roof underlayment for dark-colored metal and copper roofs in extremely hot weather areas.

### GENERAL APPLICATION

The material can be installed on any exterior grade solid sheathing normally used for roof decking down to a 2:12 roof pitch. Surfaces should be clean, dry and free of dust, dirt or other foreign matter, and free of gaps and sharp edges prior to the application of the membrane. If the deck cannot be cleaned to a new plywood surface or the deck is damp or below 32°F (0°C), 5500 Primer should be used prior to the application of the membrane. Overlaps are 2" minimum and end laps are 6" minimum. All laps should be firmly pressed or rolled to ensure a positive seal.

### FIELD APPLICATION

6640 can be installed horizontally from the low point of the roof deck in a shingling manner or vertically from the eave. In a horizontal application, pull off 12" to 24" of the full width of the release liner and align the roll into the desired position. Press the exposed adhesive bottom firmly onto the roof deck. Begin pulling off the release liner while walking backwards. The 6640 roll will follow across the deck as the release liner is removed. Vertical applications or strapping of the roof with 6640 is acceptable and may assist in the installation of the waterproofing membrane on high-pitched roofs and on high elevations. This procedure may also help eliminate wrinkles and oil canning in metal roof panels. All end laps must be applied in a manner so as to shed water down the slope when applying 6640 vertically. For both applications, the membrane should be rolled or broomed as the bottom adhesive comes into contact with the deck to ensure full adhesion to the substrate and to minimize entrapping air beneath the sheet.

6640 should be trimmed flush to the outer edge of all flashing metal. Roll the membrane firmly on top of all flashing metal to gain maximum surface contact to all edges of the roof. If the membrane is damaged or requires repair, clean the area and lightly prime the membrane with 5500 Primer at least 6" beyond the damaged area. Cut a membrane patch and roll firmly. A troweled bead of 5535 Mastic should be applied to the edges of the patch.

### VALLEY AND RIDGE APPLICATION

Use a minimum 18" roll of 6640 centered down the full length of the valley or ridge. Fold back 1/2 of the 18" strip. Remove release liner and adhere membrane. Repeat for the other side. Another installation method is to remove one to two feet of release liner, press the membrane into place, then begin pulling the release liner back while using hand pressure to adhere the membrane. When using non-preformed or roll valley metal, secure to the 18" valley membrane per code. Overlap the field 6640 over the valley metal and cut the material to the centerline of the valley. When using preformed valley metal, place over the valley underlayment and secure per roof covering material manufacturer's specifications.

## FASTENERS

6640 is fully self-adhering to the roof deck and does not require fasteners to hold the membrane in place. Nails or screws can be used to fasten the roof tile, shingles or metal roof systems through the membrane. 6640 is self-sealing around the fasteners.

## UV EXPOSURE

6640 has a skid-resistant, thermal-resistant, polyethylene top that adds to footing safety and added UV stability. It should not be left exposed for more than 90 days maximum.

## STORAGE

6640 should be stored in a dry, well-ventilated area out of direct sunlight between 50°F (10°C) and 90°F (32°C). Do not double stack pallets. Do not store rolls on end. Do not remove from box until ready to use.

## TECHNICAL SPECIFICATIONS

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Color:	Black
Thickness:	40 mils ± 5 mils
Tensile Strength:	250 p.s.i.
Elongation (ultimate failure of butyl mass):	500% min.
Pliability:	Pass
In-Service Temperature:	-30°F to 250°F

Meets ASTM 1970 for severe weather climates.

## PACKAGING

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Roll Size:	36" x 67' (201 sq. ft./roll)
Weight/Roll:	80 lbs
Rolls/Pallet:	30 rolls
<b>5500 Primer:</b>	1 gallon (4 gallons/case) 5 gallons (5 gallons/case)
Weight/Case:	36 lbs/46 lbs
Cases/Pallet:	30 cases/33 cases



### Protecto Wrap SafSeal Systems

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