



# 6660 WATERPROOFING MEMBRANE

**Protecto Wrap SafSeal Systems 6660 Waterproofing Membrane** is a peel-and-stick, self-adhering 60 mil thick high quality synthetic butyl rubber-based adhesive laminated to a heavy-duty cross-laminated polyethylene film. A siliconized release liner on the adhesive side contributes to the ease of installation. SafSeal System's strict manufacturing guidelines assure consistent quality controlled thickness of the membrane combined with the components of a quality polyethylene backing and high quality butyl rubber-based adhesive provide the best possible waterproofing barrier. The synthetic butyl rubber adhesive assures superior conformability, excellent low-temperature adhesion and has high temperature flow resistance. The butyl compound adhesive has been tested and proven not to cold flow at elevated temperatures up to 300°F (149°C).

6660 Waterproofing Membrane will form a positive and immediate adhesion to concrete, masonry, metal and wood structures through the primer coat, to prevent water, salt and certain acids and alkalis from infiltrating the building. Areas of application include, but are not limited to, the following:

- Below grade foundation walls
- Tunnels
- Split-slab
- Plaza decks
- Parking decks
- Balconies
- Terraces
- Equipment rooms
- Kitchens
- Bathrooms
- Janitorial areas
- Laboratories
- Mechanical rooms
- Shower pans
- Spandrel beams
- Planter boxes

## MATERIAL SELECTION

**6660** is a 60 mil butyl adhesive polyethylene topped sheet waterproofing membrane.

**5600 Detail Tape** is a 60 mil unreinforced conformable sheet used for detailing inside corners, around protrusions, drains, footings and difficult to conform to surfaces.

**5500 Primer** is a high tack rubber-based solvent solution. It is used on all surfaces before application of the membrane.

**5535 Mastic** is a rubberized liquid membrane used to seal membrane cuts, patches, terminations, around post protrusions, at drains and any where the sheet membrane may have difficulty to conform and seal to.

## GENERAL APPLICATION

The concrete surface to be waterproofed must have a smooth, steel-troweled finish, free of voids, sharp protrusions, loose aggregate and spalled areas. Concrete must be cured a minimum of seven days and dry before application of the SafSeal Waterproofing System. Form release agents which will transfer to the concrete surface must not be used.

If coarse aggregate is visible after form removal, use a parget coat to achieve a smooth surface. Remove any sharp protrusions and form seam lines which may cause damage to the 6660 membrane. Surfaces should be free of dust, dirt, oil and other foreign matter.

Apply 5500 Primer by spray or roller at a rate of 150 to 250 square feet per gallon (coverage rate may vary due to the porosity of the substrate). Allow the primer to dry until tacky, but not wet, to a dry finger touch. Prime only the area to be covered by 6660 in one-half working day. Areas not covered in 24 hours must be reprimed.

## DRAINS AND PROTRUSTIONS

Apply a six inch strip of 5600 Detail Tape around any posts or protrusions, or around and into any drains. Remove the release film and begin applying the 6660 membrane to the surface. Once the application is completed, apply a troweled bead of 5535 Mastic to all membrane terminations and cuts 1" onto the membrane and 1" onto the surface being sealed.

## CORNER DETAILS

Outside and inside corners must be free of sharp edges. If using a liquid type canting material on inside corners, please contact SafSeal Systems to check compatibility. All inside corners should be stripped in with a 6" or 12" piece of 6660 membrane or 5600 Detail Tape. Remove the film and begin application of the 6660 Waterproofing Membrane. Outside corners should receive a double thickness of 6660 membrane.

## HORIZONTAL SURFACES

Apply 6660 membrane from the low point to the high point so that the lap areas shed water. All side laps must be overlapped at least 2 1/2" (end laps a minimum of 6"). The entire membrane must be rolled immediately after application with a garden type roller covered with a 1/4" carpet backing. All end laps must be staggered and sealed with 5535 Mastic. Apply 6660 in a double thickness over all joints or cracks greater than 1/16". Apply a 1" troweled bead of 5535 Mastic to all "T" joints and to all membrane terminations.

## VERTICAL SURFACES

Apply 6660 membrane to the vertical wall in lengths no greater than 10 feet. All side laps must be overlapped a minimum of 2 1/2 inches. Roll all 6660 membrane with a hand roller taking special care to remove any entrapped air. 6660 membrane should be applied over the edge of slab or over the top of the foundation wall. At the base of the foundation wall, the 6660 membrane must be terminated on the footing and sealed with 5535 Mastic. NOTE: All overlaps at inside corners must have a 1" bead of 5535 Mastic applied a minimum of 3" up and 3" out from the corner.

## INSPECTION AND REPAIR

6660 membrane should not be exposed to direct sunlight for extended periods of time. Inspect the 6660 Waterproofing System

for tears or inadequately lapped seams. Repair 6660 membrane by priming with 5500 Primer 1" past the damaged area and roll a patch of 6660 Membrane onto the existing membrane. Apply a 1" bead of 5535 Mastic around the patch. All horizontal applications should be flood tested with a maximum of 2" head of water for 24 hours, making sure not to exceed the load limitations of the structure.

## MEMBRANE PROTECTION

The protection course must be suitable to withstand the backfill or topping course without damaging the membrane. Contact SafSeal Systems with any questions pertaining to the use of various protection boards.

Any 6660 membrane that is exposed must be covered by metal or neoprene flashing.

## STORAGE

6660 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

Color:	Black
Thickness:	60 mils ± 5 mils
Tensile Strength:	250 p.s.i.
Elongation (ultimate failure of SBS mass):	500%
Pliability:	Pass
Permeance:	.013 avg.
In-Service Temperatures:	-30°F. to 250°F.

## PACKAGING

PRODUCT	SIZE	PCS/CASE	LBS/CASE	CASES/PALLET
<b>6660 Waterproofing Membrane</b>	36" x 67'*	1 roll	96	25
<b>5600 Detail Tape</b>	6" x 50'	8 rolls	96	18
	12" x 50'	4 rolls	96	18
<b>5500 Primer</b>	1 gallon	4 gallons	36	30
	5 gallons	5 gallon pail	46	33
<b>5535 Mastic</b>	1 gallon	4 gallons	48	30
	5 gallons	5 gallon pail	60	33

\*Other sizes available.



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