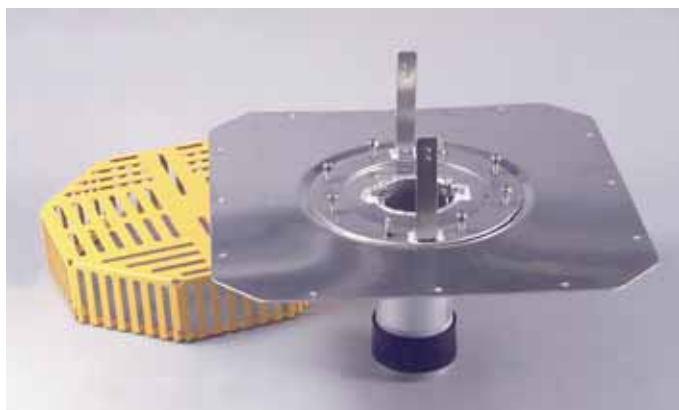


# Sure-Seal® EPDM

## System Components



### Sure-Seal® Insert Drain Systems

Sure-Seal Insert and Add-On Drain models are a cost-effective solution for new or existing drainage systems.

Insert Drains consist of an 18" square aluminum flange with a 9" long drain stem in a depressed sump area for easy attachment to the deck and drainage system. Insert Drains include a 14" diameter strainer dome, stainless steel studs and nuts, and a high-quality urethane seal to prevent possible water backflow. Insert Drains are also available in vandal-resistant models.

#### Typical Properties and Characteristics

Sizes	3", 4", 5" and 6" (76.2, 101.6, 127 and 152.4 mm)
Average Weight	9 lbs (4.05 kg)
Drain leader opening (inside dimension)	Insert Drain Size*
2 3/4" - 3 1/8" (70-80 mm)	3" (76.2mm)
3 3/4" - 4 1/8" (95-105 mm)	4" (101.6mm)
4 3/4" - 5 1/8" (120-130 mm)	5" (127 mm)
5 3/4" - 6 1/8" (146-156 mm)	6" (152.4 mm)

\*Half sizes are available (3 1/2", 4 1/2" and 5 1/2")



### Sure-Seal HP Protective Mat

Carlisle's HP Protective Mat is a UV-resistant, polypropylene, needle-punched fabric. The mat can be used above the membrane as a slipsheet for crushed stone or pavers, or below the membrane as a minimum underlayment mat for mechanically fastened or ballasted roofing system applications.

#### Typical Properties and Characteristics

Physical Property	Test Method	Average Roll Values
Size	—	15' x 300' (4.6m x 92m)
Area/Roll	—	4500 ft² (420 m²)
Weight/Roll	—	225 lbs (102 Kg)
Thickness	—	.065 in. (1.65 mm)
Tensile Strength (Grab)	D4632	160 lbs (73 Kg)
Burst Strength (Mullen)	D3786	350 psi (2413 kPa)
Elongation (Ultimate)	D4632	>50%
Puncture Strength	D4833	90 lbs (41 Kg)
Trapezoidal Tear	D4533	65 lbs (30 Kg)
UV Resistance (630 Kj/m²)	D4355	>70%
Permeability Coefficient	D4491	.2 cm/sec.
PH Resistance		2-13

# Sure-Seal EPDM

## System Components



### Sure-Seal Expansion Joint Supports

These supports are a formed EPDM product for use with any Carlisle roofing systems.

Expansion Joint Supports are available in two profiles for use within the field of the roof (mushroom-shaped) and along parapet walls (triangular).

#### Typical Properties and Characteristics

Color	Black
Packaging	25 linear ft/carton (7.6 m)
Weight	Edge Expansion Joint – 18 lbs (8 kg) Field Expansion Joint – 16 lbs (7 kg)



### Sure-Seal HP Splice Wipes

HP Splice Wipes are used in conjunction with Weathered Membrane Cleaner or EPDM Primer to clean or prime the membrane prior to splicing, flashing, or applying Carlisle's Lap Sealants.

#### Typical Properties and Characteristics

Size	13.5" x 24" (343 mm x 610 mm)
Packaging	150/carton
Weight	5 lbs./carton (2.27 Kg)