

Product Information

Kemperol SBS Cap FR (Ultra White)

SBS Modified Bitumen Polyester Reinforced Granulated Cap Sheet

Product Description

Kemperol SBS Cap FR (Ultra White) is a high quality fire-resistant, 4.2 mm (166 mils) (Torch Applied) / 4.3 mm (166 mils) (Mop Applied) Styrene Butadiene Styrene (SBS) modified bitumen asphalt roofing membrane with highly reflective granules. The membrane is reinforced with a non-woven polyester mat and fiberglass strands for enhanced dimensional stability, high tear strength and puncture resistance. The SBS asphalts and product composition offer long-term dimensional stability and flexibility. Granule color is a reflective Ultra White. Cap sheet is available with a sand backed finish for adhered applications or a burn-off polyethylene film for heat welded applications.

Use

Kemperol SBS Cap FR (Ultra White) sheet is heat-welded for new roofing and recover applications. Intended as the top layer in a multi-ply assembly, or beneath the Kemperol cold liquid-applied, fully reinforced membrane system. The membrane is free of granules along the selvage edge.

Yield

1 square roll - 100ft² (9.3m²) net coverage; Roll size: 39' 3/8" x 32' 9" (1m x 10m)

Storage

Rolls shall be stored on end on raised platforms and protected from the weather. Store rolls in a well-ventilated area far away from any heat source.

Product Information

Sustainability Information	
Rapidly renewable resource	n/a
Recycled content % (post / pre)	
Torch	2.4% / N/A
Mop	2.4% / 6.4%
Manufacture location	Texas

Membrane Properties		
Physical Properties	Temp	Values MD/XMD
Tensile Strength	0 °F 73 °F	118 / 97 lbf/in 105 / 78 lbf/in
Elongation	0 °F 73 °F	30 / 26% 55 / 57%
Ultimate Elongation	73 °F	57 / 68%
Tear Resistance	73 °F	116 / 92 lbf
Cold Flex	0 °F	0 °F (-18 °C)
Dimensional Stability [max]		<0.2%
High Temp. Stability [max]	250 °F	Pass
Granule Embedment		1.3 g/m ² avg. loss
Solar Reflectance Information:		
Initial Solar Reflectance		0.84
Initial Thermal Emittance		0.90
Initial Solar Reflectance Index		106

Test Method: ASTM D 5147

Application

1. Apply over clean, dry, dust and debris-free substrates. Prime concrete decks prior to application with Kempertec Asphalt Primer.
2. Install the Kemperol SBS Cap FR (Ultra White) membrane from the low point on the roof. When applying over a base ply, install in the same direction by shingling or by strapping with the slope of the roof deck.
3. Unroll the material and allow to relax then re-roll the membrane once relaxed.
4. The sand backed Cap sheet membrane shall be installed by mopping a solid layer of Type III or Type IV asphalt or Kempertec Asphalt Cold Adhesive at a minimum rate of 1.5 gal/square. The polyethylene film backed sheet shall be torch applied. Install with traditional torch roofing techniques ensuring proper heating of the roofing material. Do not overheat to expose or compromise the reinforcement.
5. Position successive rolls providing a minimum 6" end lap and 3" side lap. Bleed out of SBS asphalt should be 1/8" to 1/4" at all seams. Embed matching granules prior to making the end lap seam.

6. Kempertec Asphalt Cold Adhesive shall not be applied to lap and seam areas.
7. Details and flashings are to be done with the Kemperol cold liquid-applied, fully reinforced membranes.
8. Being the exposed roofing surface, protect completed areas and minimize roof traffic to prevent discoloration and other construction damage. Stage roofing work and work by other trades accordingly.

Disposal

Kemperol SBS Cap FR (Ultra White) may be disposed of in standard landfills.

Certifications

ASTM D6164 Type I

Ordering Information

Kemperol SBS Torch FR (Ultra White)

Item#:	Item Description:
KMB-SCS-TFRW	1 square roll, 20 rolls/pallet; Approx. 2,100 lbs (960 kg)

Kemperol SBS Mop FR (Ultra White)

Item#:	Item Description:
KMB-SCS-MFRW	1 square roll; 20 rolls/pallet; Approx. 2,100 lbs (960 kg)