

RAP-1000

RECYCLED RUBBER PROTECTION MEMBRANE

DESCRIPTION:

RAP-1000 is a 100-mil thick performance based protection sheet derived from recycled tire crumb rubber providing sustainability over traditional asphalt based protection layer products. RAP-1000 provides exceptional protection properties as well as water barrier performance for high impact and puncture resistance. For heavy duty protection two sheet layers can be applied for a combined thickness of 200 mils (5 mm).

APPLICATIONS:

RAP-1000 protection course is used in split-slab and asphalt topping deck construction, such as plaza decks, pedestrian concourses, parking garage decks, tunnels, and planter boxes to protect the waterproofing membrane from normal foot traffic and puncture during construction operations. It also protects the waterproofing membrane from sharp aggregate during backfill and later settlement.

INSTALLATION:

With hot rubberized asphalt waterproofing: Immediately following the top coat of rubberized asphalt waterproofing membrane, apply RAP-1000 directly to top surface of the rubberized asphalt waterproofing membrane while it is warm and tacky. Install RAP-1000 with all sheet edges tightly abutted and adhered tight to the top surface of the hot rubberized asphalt membrane without separation. Cut sheet to tightly fit around pipe penetrations and other details. Then apply counter flashing of hot-rubberized asphalt membrane to seal detail and seams.

With other waterproofing materials:

Install RAP-1000 with all sheet edges tightly abutted and secure into place with applicable non-penetrating means or washer-head mechanical fasteners approved by the waterproofing membrane manufacturer for the project condition.

PACKAGING:

RAP-1000 is supplied in lightweight sheets measuring 4-feet by 8-feet (1.2m x 2.4 m); 15 lbs. (6.8kg) per sheet.

LEED™

RAP-1000 is made from an exceptionally high percentage of recycled material and is 100% recyclable making it a “green”, earth friendly product. Its high post consumer recycled content makes it ideal for LEED projects.

TYPICAL PROPERTIES		
PROPERTY	TEST STANDARD	TYPICAL VALUE
Membrane Thickness	ASTM D5147	100 mils (2.5 mm)
Puncture Resistance	ASTM E154	140 lbf (622 N)
Water Absorption	ASTM D994	0.1%
Tensile Strength	ASTM D882	50 lbf/in

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UPDATED: SEPTEMBER 2013

TDS_RAP1000_AM_EN_201309_v1



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