

RAP 350FR

FIRE RATED PROTECTION CAP

DESCRIPTION

RAP 350FR is heavy duty 150-mils (3.8 mm) thick, fire rated reinforced rubberized asphalt protection cap sheet with granulated top surface. RAP 350FR is reinforced with tough, non-woven synthetic fibers that provide fire resistance properties and membrane that withstands wrinkling, buckling and fish mouths.

APPLICATIONS

RAP 350FR is embedded into the top surface of STRATASEAL HR as the cap layer protecting the hot-applied rubberized asphalt membrane from damage by subsequent toppings and typical construction traffic. It can be used in the STRATASEAL HR Protected Membrane Roof Assembly, Plaza Deck Assembly, Split-Slab Construction Assembly, Asphalt Paving Deck Assembly, Greenroof Assembly, or Landscaped Assembly as the protection layer. The granulated surface is UV resistant thereby RAP 350FR can be left as an exposed material.

INSTALLATION

Install RAP 350FR into the top surface of STRATASEAL HR hot-applied rubberized asphalt while it is still warm and tacky. Embed the sheet into the membrane ensuring a good bond. The lap lines will face upward when unrolling. Overlap all seams and laps of the protection layer 4" (100mm) and seal with STRATASEAL HR hot-applied rubberized asphalt in the seams and laps.

Cut as required to fit around all penetration and drainage details. RAP 350FR will lay flush against all edges and not terminate into flashing. It is designed as a protection sheet and flashing membrane. Reference standard detail drawings for appropriate termination details. Upon completion of RAP 350FR, install subsequent toppings as required.

PRECAUTIONS

RAP 350FR is designed as a protection course for STRATASEAL HR hot-applied rubberized asphalt and is not designed for use in built-up roof systems. RAP 350FR can be left exposed to prolonged UV exposure but should not be used as a traffic walkway / surface.

PACKAGING

RAP 350FR roll size is 39.4" (1m) x 34'10" (10.4m) - 111.6 sq. ft. per roll.
 Typical roll weight: 107-lbs (48.5kg).
 RAP 350FR is packaged 20 rolls per pallet.

| TECHNICAL DATA | | |
|-------------------------------------|-------------|-------------------------|
| PROPERTY | TEST METHOD | TYPICAL VALUE |
| Tensile Strength @ 0°F (-18°C) | ASTM D5147 | 85 lbf/in. (15 kN/m) MD |
| Elongation @ 0°F (-18°C) | ASTM D5147 | 1% MD |
| Dimensional Stability | ASTM D5147 | 0.10% MD; 0.10% XMD |
| Low Temp Flexibility - 10°F (-23°C) | ASTM D5147 | Pass |
| Tear Strength at 73.4°F (23°C) | ASTM D5147 | 55 lbf (275 N) |
| Peak Load at 73.4°F (23°C) | ASTM D5147 | 35 lbf/in. (6.2 kN/m) |
| Elongation at 73.4°F (23°C) | ASTM D5147 | 3% |
| Dimensional Stability | ASTM D5147 | 0.1% |
| Compound Stability at 215°F (102°C) | ASTM D5147 | No Failures |
| Granule Embedment, g, (max) | ASTM D4977 | 0.4 g |
| Class A Fire Rating | ASTM E108 | Pass |

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