

PRODUCT DATA SHEET 260624SOPUS

DESCRIPTION

SOPRAVAP'R® is a self-adhesive air barrier and vapor retarder membrane comprised of self-adhesive modified bitumen with a tri-laminated woven polyethylene facer. The product may be installed on a variety of roof decks and coverboards. SOPRAVAP'R is 45 in. (1.1m) wide to optimize yield when installed on steel roof deckings. The underside is backed with a silicone release film for quick and easy installation. The product is UV-stable and after installation may be exposed to the elements for up to 90 days.

PRODUCT NUMBER

14201 SOPRAVAP'R

Use	Overlying Material
Air barrier / Vapor retarder	Insulation ¹

¹ Refer to the SOPREMA Vapor Retarder Technical Manual, Low-Slope Roofing

INSTALLATION

Refer to the SOPREMA Vapor Retarder Technical Manual, Low-Slope Roofing for complete application guidelines. The below instructions are offered as a brief introduction.

- Prior to installation, unroll SOPRAVAP'R onto a smooth flat surface and allow to relax.
- Place SOPRAVAP'R in desired position, with 2 in. (51 mm) side lap and 4 in. (102 mm) end lap.
- Once positioned, firmly hold the membrane in place and remove the silicone release film. For best results, slowly peel film backing away at an angle.
- Roll SOPRAVAP'R into place with a weighted roller applying pressure to ensure adhesion to the substrate and at the overlaps.
- Apply ELASTOCOL STICK or ELASTOCOL STICK ZERO primer for all substrates, with the exception of steel decking.
- Ambient and surface temperatures must be between 40 °F (4 °C) and 110 °F (43 °C) and be a minimum of 5 °F (3 °C) above the dew point.
- Do not attempt installation if ice, snow, moisture, or dew are present.
- Should the product be left exposed during roof construction, positive slope and adequate drainage are required, and the effects of weathering may vary based upon climatic and environmental conditions.

APPROVALS & TESTING



STORAGE & HANDLING

- Store rolls in an upright position to prevent damage.
- Store in a clean, dry location and cover as necessary to protect from the elements and extreme heat.
- Approximate shelf life is 12 months from date of manufacturing when properly stored.

WARRANTY

For more information refer to www.performancerooftsystems.com or contact your PERFORMANCE ROOF SYSTEMS representative.



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GENERAL INFORMATION

Property	Value	Test Method
Thickness, mils (mm)	31 (0.8)	ASTM D5147
Width, in. (m)	45 (1.1)	ASTM D5147
Length, ft (m)	134 (40.8)	ASTM D5147
Coverage area,* ft ² (m ²)	468 (43.5)	ASTM D5147
Roll weight, lb (kg)	75 (34.0)	ASTM D5147
Rolls per pallet	25	ASTM D5147
Pallet weight, lb (kg)	1,925 (873)	ASTM D5147
Net mass per unit area, lb/100 ft ² (g/m ²)	14.6 (712)	ASTM D5147

*Reported coverage area assumes installation following the recommended side and end lap dimensions.

PHYSICAL / MECHANICAL PROPERTIES

Property	MD	XMD	Test Method
Peak load at 73 °F (23 °C), lbf/in. (kN/m)	51 (9)	71 (12)	ASTM D5147
Ultimate elongation at 73 °F (23 °C), %	33	25	ASTM D5147
Tear strength at 73 °F (23 °C), lbf (N)	95 (421)	103 (456)	ASTM D5147
Dynamic puncture resistance, lbf (N)	152 (675)		ASTM D1970
Low temperature flexibility, °F (°C)	-58 (-50)		ASTM D5147
Lap adhesion with primer, lbf/ft (N/m)	60 (880)		ASTM D1876
Lap adhesion without primer, lbf/ft (N/m)	41 (600)		ASTM D1876
Water absorption, %	0.1		ASTM D5147
Peel strength (steel), lbf/in. (N/m)	5.3 (928)		ASTM D903
Water vapor permeance, perm (ng/Pa.s.m ²)	< 0.03 (< 1.7)		ASTM E96 (Procedure B)
Air permeability, ft ³ /min*ft ² (L/s*m ²)	< 0.0004 (< 0.002)		ASTM E2178

Data is represented by average values, unless noted otherwise.

