

## SOPRAVAP'R

**Description:** *SOPRAVAP'R* is a self-adhesive vapour barrier membrane for steel decks composed of SBS modified bitumen. The top surface is a tri-laminated woven polyethylene. A silicone release film covers the self-adhesive under face. The width of the membrane (1,14 metres / 45 inches) has been specifically determined to allow the membrane to fit with most structural steel decks. The loss of materials is then reduced and in the same time, the coverage per roll is increased.

**Application:** The *SOPRAVAP'R* membrane can be installed on a steel deck, plywood, gypsum or concrete board, asphalt panel or concrete. Except for the steel deck, all substrates must be primed with *ELASTOCOL STICK* primer. Contact your local **SOPREMA** technical representative for a list of approved surfaces, their preparation and the use of primer.  
Minimum application temperature: - 10°C

### Properties:

Properties	Standards	SOPRAVAP'R
Thickness (mm)	–	0.8
Dimension (m)	–	40.8 x 1.14
Gross / Net coverage per roll (m <sup>2</sup> )	–	46.5 / 43.5 (500 / 468 pi <sup>2</sup> )
Roll Weight (kg)	–	37
Under face	–	Silicone release film
Top face	–	Tri-laminate woven polyethylene
Tensile strength, MD/XD (kN/m)	ASTM D5147	11.3 / 15.4
Ultimate elongation, MD/XD (%)	ASTM D5147	52 / 24
Cold bending (°C)	ASTM D5147	-35
Static puncture (N)	ASTM D5602	400
Tear resistance, MD/XD (N)	ASTM D5601	375 / 400
Lap adhesion (N/m)	ASTM D1876	2 000
Water absorption (%)	ASTM D5147	0.1 max.
Peel resistance (N/m)	ASTM D903	1 200
Water vapour permeance (ng/Pa·s·m <sup>2</sup> )	ASTM E96 (Procedure B)	0.92 (0.017 perm)
Air permeability (L/sec·m <sup>2</sup> )	ASTM E283 (75 Pa)	< 0.007

(All values are nominal)

**Precautions:** If *SOPRAVAP'R* is not immediately covered, particular attention should be paid to implementation of details to ensure a perfect temporary seal. All horizontal overlaps on steel deck should be supported by a metal plate 15 cm x 106 cm. All «T» joints and transitions (90 °) should be covered with *SOPRAMASTIC*. If fishmouths or other openings are created to overlap, they must be sealed with *SOPRAMASTIC*.