

SOPRASOLIN HD



TECHNICAL DATA SHEET **250408SCANE**

(supersedes 230602SCANE)

DESCRIPTION

SOPRASOLIN HD is a self-adhesive air and vapour barrier membrane composed of bitumen modified with SBS polymers. The membrane is protected by an aluminum sheet to resist bad weather and UV rays.

SOPRASOLIN HD is recommended for maintenance work or repairs around penetrations such as vents, ventilation ducts, skylights, and chimneys.

SURFACE PREPARATION

The substrate should be clean, sound, dry and free of loose materials, grease and any contaminants, which may compromise the performance of the product.

INSTALLATION

SELF-ADHERED

1. Apply the ELASTOCOL STICK primer on the surface.
2. When the ELASTOCOL STICK primer is completely cured, position and size the SOPRASOLIN HD membrane.
3. Peel off the silicone film longitudinally over a distance of 20 to 30 cm (8 to 12 in) and adhere the exposed bitumen to the support.
4. Remove the entire silicone film and adhere the residual bituminous surface to the support.
5. Once the membrane is installed, apply pressure to the entire surface using a membrane roller to ensure complete and even adhesion.

Minimum application temperature: 10 °C (50 °F)

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

GENERAL INFORMATION

Specifications	SOPRASOLIN HD
Thickness	1,0 mm (40 mils)
Dimensions	1 x 10 m (3,3 x 32,8 pi) ⁽¹⁾
Surface	Aluminum
Underface	Silicone release film

(1): Cut rolls are available on special request.



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.
This technical data sheet applies to products sold on the Canadian market only.

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PROPERTIES

Properties	Standards	SOPRASOLIN HD	
		MD	XMD
Peak load, at 23 °C (73.4 °F)	ASTM D5147	4.4 kN/m (25 lbf/in)	5.3 kN/m (30 lbf/in)
Elongation at peak load, at 23 °C (73.4 °F)		505%	340%
Ultimate elongation, at 23 °C (73.4 °F)		535%	345%
Ultimate elongation, polymer modified bitumen, at 23 °C (73.4 °F)		> 1000%	
Tear strength, at 23 °C (73.4 °F)		133 N (30 lbf)	
Low temperature flexibility		-40 °C (-40 °F)	
Static puncture, over plywood	ASTM D5602	245 N (55 lbf)	
Dynamic puncture resistance	ASTM E154	311 N (70 lbf)	
Lap adhesion	ASTM D1876	2627 N/m (15 lbf/in)	
Peel resistance ⁽¹⁾	ASTM D903	1751 N/m (10 lbf/in)	
Air permeability, at 75 Pa	ASTM E2178	0.00196 L/s•m ² (0.0004 cfm/ft ²)	
Water absorption	ASTM D5147	< 1.0%	
Water vapor permeance, <i>Procedure A</i> <i>Procedure B</i>	ASTM E96	0.034 ng/Pa•s•m ² (0.0006 perm) 0.040 ng/Pa•s•m ² (0.0007 perm)	
Fire resistance	NFPA 285	Pass	
Air leakage resistance	ASTM E2357	Pass	
Nail sealability	ASTM D1970	Pass	

(All values are nominal)

(1) : Adhered to glass faced gypsum board with primer.

STORAGE AND HANDLING

Rolls must be stored upright. If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

FOR MORE INFORMATION, REFER TO THE INSTRUCTIONS ON THE CONTAINER LABEL AND RELEVANT SAFETY DATA SHEET (SDS).



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