



WATERPROOFING

APPLICATIONS

ROOFS

SOPRASOLIN HD

TECHNICAL DATA SHEET 230602SCANE

(supersedes 230216SCANE)

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.

INSTALLATION

1. The substrate should be clean, sound, dry and free of loose materials, grease and any contaminants, which may compromise the performance of the product.
2. Then proceed with the application of the ELASTOCOL STICK primer on the surface.
3. When the ELASTOCOL STICK primer is completely cured, position and size the SOPRASOLIN HD membrane.
4. 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.
5. Remove the entire silicone film and adhere the residual bituminous surface to the support.
6. 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.

PACKAGING

Specifications	SOPRASOLIN HD
Thickness	1,0 mm
Dimensions	1 x 10 m ⁽¹⁾
Surface	Aluminum
Underface	Silicone release film

(All values are nominal)

(1) Cut rolls are available on special request.

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)
Ultimate elongation, at 23 °C (73.4 °F)	ASTM D5147	505 %	340 %
Tear resistance, at 23 °C (73.4 °F)	ASTM D5147	535 %	345 %



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TDS-SOPRASOLIN-HD-Soprema-en.indd

SOPRASOLIN HD



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PROPERTIES (Following...)

Properties	Standards	SOPRASOLIN HD	
		MD	XMD
Ultimate elongation (polymer modified bitumen), at 23 °C (73.4 °F)	ASTM D5147	> 1000	> 1000
Tear strength, at 23 °C (73.4 °F)	ASTM D5147	133.4 N (30 lbf)	133.4 N (30 lbf)
Low temperature flexibility	ASTM D5147	4.7 / 4.7 kN/m	4.7 / 4.7 kN/m
Static puncture (over plywood)	ASTM D5602	245 lbf (55 N)	
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	ASTM E96 (Proc.A)	0.034 ng/Pa·s·m ² (0.0006 perms)	
	ASTM E96 (Proc.B)	0.040 ng/Pa·s·m ² (0.0007 perms)	
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.



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