

SOPRASOLIN® HD

SOPRASOLIN® HD
PRODUCT #
Boxed 16600
Unboxed 16601

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

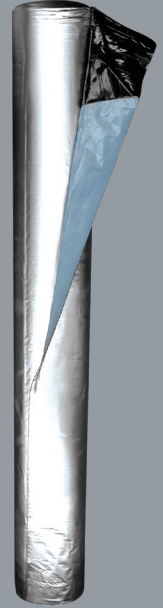
SOPRASOLIN HD is a multi-purpose self-adhered air and vapor barrier composed of a proprietary high quality, SBS modified bitumen membrane with an aluminum film facer. The foil facer provides heat reflectivity, fire resistance, dimensional stability, puncture resistance and high tear resistance. In addition, SOPRASOLIN HD has an exceptional 12 month UV exposure. SOPRASOLIN HD is used as a self-adhered air and vapor barrier on vertical masonry, concrete, glass faced gypsum and plywood sheathing. SOPRASOLIN HD is also used as a flashing membrane for doors, windows and transitions.

STORAGE & HANDLING

Store products on end on a clean and flat surface. Do not store in a leaning or horizontal position as deformation may occur. All materials should be stored in a dry place, out of direct exposure to the elements. Material should be handled in such a manner as to ensure that it remains dry prior to and during installation.

APPLICATION

SOPRASOLIN HD may be applied to approved substrates primed with a compatible primer specifically approved by SOPREMA® for self-adhered membrane applications. Unroll, position and cut or shape SOPRASOLIN HD to needed dimensions. Set the roll by removing the release film 8 to 12 inches and adhere that exposed bitumen portion to the substrate. Once placed, remove the remaining release film by pulling at a low angle diagonal to the sheet. Press the membrane firmly with a roller and remove any air pockets.



APPLICATION



SELF-ADHERED

QUICK FACTS

LENGTH (ft)	WIDTH (in)	COVERAGE* (ft ²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/ PALLET (pallet weight)
32.8 (10.0 m)	39.4 (1.0 m)	107.7 (10.0 m ²)	40 (1.0 mm)	21 (9.5 kg)	36 (806 lb/ 365.6 kg)

* Coverage rate as reported assumes installation using side and end lap recommendations.



SOPREMA®

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TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES	
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Topside	Polyolefin/aluminum composite film
Underside	Self-adhesive with release film
Side lap, in (mm)	3 (76)
End lap, in (mm)	6 (152)

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	25 (4.4)	30 (5.3)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	505	340	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	535	345	ASTM D5147
Ultimate elongation (polymer modified bitumen) @ 73.4°F (23°C), %	> 1000	> 1000	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	30 (133.4)	30 (133.4)	ASTM D5147
Low temperature flexibility, °F (°C)	-40 (-40)	-40 (-40)	ASTM D5147
Static puncture (over plywood), lbf (N)	55 (245)		ASTM D5602
Puncture resistance, lbf (N)	70 (311)		ASTM E154
Lap adhesion, lbf/in (N/m)	15 (2627)		ASTM D1876
Peel resistance**, lbf/in (N/m)	10 (1751)		ASTM D903
Air permeability @75 Pa, cfm/ft2 (L/s·m ²)	0.0004 (0.00196)		ASTM E2178
Water absorption, %	< 1.0		ASTM D5147
Water vapor permeance, perms (ng/Pa·s·m ²)	0.0006 (0.034)		ASTM E96 (Proc. A)
	0.0007 (0.040)		ASTM E96 (Proc. B)
Fire resistance	Pass		NFPA 285
Air leakage resistance	Pass		ASTM E2357

* Data is represented by average values, unless noted otherwise.

** Adhered to glass faced gypsum board with primer.