

# SOPRASOLIN<sup>®</sup> HD

Foil Faced Self-Adhered Air and Vapor Barrier



APPLICATIONS

WALLS

## DESCRIPTION:

**SOPRASOLIN HD** is a multi-purpose, fully self-adhered, water resistant membrane composed of a proprietary, high quality, SBS modified bitumen protected with an aluminum facer for extended UV exposure.

## BASIC USES:

**SOPRASOLIN HD** is used with SOPREMA's ELASTOCOL Stick primers as a self-adhered impermeable air barrier or as a flashing material around rough openings above grade on masonry, concrete, glass faced exterior grade gypsum and exterior grade plywood.

## PACKAGING:

39.4" X 32.8' (100cm X 10m)  
13" X 32.8' (33cm X 10m)  
9.8" X 32.8' (25cm X 10m)  
7.9" X 32.8' (50cm X 10m)  
3.9" X 32.8' (10cm X 10m)

## WEIGHT:

The 39.4" X 32.8' roll is 21 lbs.

## LIMITATION:

- Do not apply to contaminated, wet, or damp surfaces.
- Must be used with ELASTOCOL STICK primers.

## APPLICATION:

Application may proceed when ambient and surface temperature is minimum 50°F (10°C) and rising providing the substrate is a minimum of 5°F (-15°C) above the dew point temperature, the substrate is clean and dry, and the SOPRASOLIN HD rolls are warm enough to easily unroll and work into position on the wall.

SOPRASOLIN HD's service temperature range is -49°F to 194°F (-45°C to 90°C).

Refer to SOPRASOLIN HD application guidelines for complete details.

## WARRANTY:

Please refer to [www.SOPREMA.us](http://www.SOPREMA.us) for the SOPREMA Standard Warranty, Form 115, or contact SOPREMA at 800.356.3521 for more information.

## CLEAN UP:

Any adhesive material can be removed mechanically or with hydrocarbon solvents such as xylene or mineral spirits. Always test small areas before full use.



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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 <sup>2</sup> )	0.0004 (0.00196)		ASTM E2178
Water absorption, %	< 1.0		ASTM D5147
Water vapor permeance, perms (ng/Pa·s·m <sup>2</sup> )	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
Nail sealability	Pass		ASTM D1970

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

\*\* Adhered to glass faced gypsum board with primer.