

# SOPRASOLIN<sup>®</sup> HD

Foil Faced Self-Adhered Air and Vapor Barrier

PRODUCT DATA SHEET PD10099 - REV.230620



APPLICATIONS

WALLS

## DESCRIPTION:

**SOPRASOLIN HD** is a 40 mil, fully self-adhered, air and vapor barrier made with a highly-reflective aluminum facer for extended UV exposure and a proprietary, high-quality, SBS modified bitumen adhesive.

## 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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APPLICATIONS

WALLS

| 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.