

SOPRASEAL HVM



APPLICATIONS

WALLS

INDOOR APPLICATIONS

TECHNICAL DATA SHEET 191007SCANE

(supersedes 190926SCANE)

DESCRIPTION

SOPRASEAL HVM is a variable-permeance air/vapour barrier membrane with high tear resistance. It is applied on the warm side of external wall assemblies as well as on horizontal surfaces in attics. **SOPRASEAL HVM** also acts as a retention membrane for **SOPRA-CELLULOSE**.

Its vapour diffusion permeance varies as it adapts to the relative humidity in the air. **SOPRASEAL HVM** has a low water vapour permeance in winter, when relative humidity is low, while in summer or spring, its permeance is higher as the relative humidity increases. This protects the wall cavity from water vapour penetration (in winter) and allows it to dry (in summer).

INSTALLATION

SOPRASEAL HVM must be installed continuously inside the building and placed inside the cavity between the insulation, such as **SOPRA-CELLULOSE**, and the interior finish. The membrane must be installed with its printed side facing the installer. Use **SOPRASEAL SEALANT** at the periphery of the assembly and the **SOPRASEAL STICK FLASHPRO HT** vapour barrier tape to seal membrane overlaps.

LIMITATIONS

SOPRASEAL HVM must be protected from UV rays and covered with gypsum boards. **SOPRASEAL HVM** must not be used as an outdoor weather resistive barrier. **SOPRASEAL HVM** not to be used when interior relative humidity exceeds 60%.

FOR MORE INFORMATION ON THE APPLICATION OF THIS PRODUCT, PLEASE CONSULT A SOPREMA REPRESENTATIVE.

PACKAGING

Characteristics	SOPRASEAL HVM
Thickness	0.45 mm (17.7 mil)
Reinforcement	Polypropylene mesh
Dimensions	2.4 x 30 m, 72 m ² (7.9 x 98 ft, 775 ft ²)
Dimensions (when folded)	1.2 x 30 m (3.9 x 98 ft)
Weight	110 g/m ² (0.02 lb/ft ²)
Surface	Variable-permeance polymers
Underface	Non-woven polypropylene film
Qty/plt	24 folded rolls

(Nominal values)



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the data sheet in effect at the date of manufacture.

TDS_SOPRASEAL_HVM.indd

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PROPERTIES

Properties	Standards	SOPRASEAL HVM
Cold flexibility, 0 °C (32 °F)	ICC-ES AC38 3.3.4	Pass
Cold flexibility, -10°C (14 °F)	CAN/CGSB 51.33-M89 article 6.3	Pass
Tensile strength	CAN/CGSB 51.33-M89 Art. 6.4.1	Pass
Water vapour permeance Method A, 25 % mean relative humidity Method B, 75% mean relative humidity	ASTM E96	45 ng/(Pa•s•m²) / 0.8 perm 176 ng/(Pa•s•m²) / 3 perm
Air permeance	ASTM E2178	< 0,001 L/s • m²
Flame spread rating	ASTM E84	Class A, < 25
Smoke-developed index	ASTM E84	Class A, < 450
Fungi resistance	ASTM C1338	No growth
Tear resistance, MD/XD	ASTM D5147/D5147-18	418/349

See CCMC Evaluation Report 12307-R (for SOPRA-CELLULOSE WALL SYSTEMS).
(Nominal values)

SOPRASEAL HVM meets the requirements of the National Building Code 2015 (according to CAN / CGBS 51.33), the International Building Code 2015 (1405.3.1, vapor retarder class II) and the International Residential Code 2015 (R702.7, vapor retarder class II).

STORAGE AND HANDLING

Store SOPRASEAL HVM away from humidity, UV rays, weather, and significant temperature changes in a cool, dry place during shipping, handling, storage, and installation.

FOR MORE INFORMATION, PLEASE REFER TO THE LABEL ON THE PRODUCT.



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