



VAPOUR
RETARDER

AEROVAP HYGROMAX

HUMIDITY VARIABLE VAPOUR CHECK MOISTURE REGULATOR

BENEFITS OF THE PRODUCT

- PERMEABILITY TO WATER VAPOUR VARIES ACCORDING TO RELATIVE HUMIDITY
- HIGH MECHANICAL RESISTANCE
- REDUCES RISK OF CONDENSATION IN THE WALLS
- SUITABLE FOR ALL WALL TYPES AND EXTERIOR FINISHES
- INSUFFLATION OF INSULATING



/// FIELDS OF APPLICATION

AEROVAP HYGROMAX IS A MOISTURE-REGULATING WATERTIGHT MEMBRANE WHOSE PERMEABILITY TO WATER VAPOUR IS DETERMINED BY THE RELATIVE HUMIDITY.



IN WINTER, when it is warmer inside than outside, water vapour can drain off from the inside to the outside. Relative humidity is typically fairly low in winter. The polyethylene copolymer film closes up, and then acts as a vapour barrier. This phenomenon ensures that virtually no water vapour penetrates into the structure of the insulation during the cold season, thus removing any risk of condensation.



IN SUMMER, water vapour generally comes inside from the outside and the relative humidity of the air is high, both indoors and outdoors. The polyethylene copolymer film then opens and the water vapour can drain off from the outside to the inside, as the film becomes permeable to water vapour.

SD VALUE
FROM **0,5m**
TO **100m**

**MOISTURE
REGULATING**

DENSITY
110g / m²

**3 LAYER
COMPOSITE**

ROLL
1,5mx50m
3mx50m



**EXTERIOR
INSULATION**



**MASONRY WALLS
WITH EXTERIOR
VENTILATED
OR NON-VENTILATED
COVERING**



**CONVERTED AND
UNCONVERTED
ATTIC SPACE**



**WALLS WITH WOODEN
FRAMING WITH EXTERIOR
VENTILATED OR
NON-VENTILATED
COVERING**

To see complete accessories for perfect cladding or waterproofing, please refer to the table of features and compatible products.

COMPOSITION :

Non-woven PP + PE copolymer + reinforcement scrim

Area density ISO 536	approx. 110 g/m ²
Fire resistance, EUROCLASSE, EN 13501-1	EUROCLASSE E
Resistance to water penetration	W1
Transmission of water vapour Sd	0,5 m - 100 m
Tensile strength, longitudinal direction	350 N/50 mm
Tensile strength, transverse direction	315 N/50 mm
Elongation at break, longitudinal direction	20 %
Elongation at break, transverse	20 %
Nail tear resistance, longitudinal direction	350 N
Nail tear resistance, transverse direction	375 N
Temperature range	-40°C / 80 °C
Ageing test, diffusion water vapour Sd Pass	Réussi
Ageing test in an alkaline environment, tensile strength Pass	Réussi

STANDARDS/CERTIFICATES

CE marking in accordance with EN 13984 standard