

EKOVILLA SMART X VAPOUR BARRIER MEMBRANE

PRODUCT INFORMATION

Ekovilla Smart X is a vapour barrier membrane with variable water vapour resistance. Unlike traditional vapour barrier plastics, the water vapour resistance of the Smart X membrane changes depending on the surrounding relative air humidity. It allows the structures to dry inwards when the relative humidity rises. This feature reduces the risk of moisture condensation inside the structures and improves the fault tolerance of structures compared to vapour barrier plastic.

APPLICATIONS

Ekovilla Smart X vapour barrier membrane is used as internal air and vapour barrier for walls, ceilings and floors insulated by fibrous insulation material.

INSTALLATION

Ekovilla Smart X is quick and easy to install. It withstands handling without tearing and can be installed even to difficult locations owing to its flexibility. Furthermore, the transparency of the fabric facilitates attachment to timber frame elements.

The membrane is fixed by stapling at 200 mm intervals. The joints are overlapped 200 mm and joint durability is ensured by Ekovilla X Sealing tape. More detailed air tightness instructions: www.ekovilla.com/rakenneopas



TECHNICAL DETAILS

Weight	80 g/m ²
Non-woven fabric	Polypropylene
Functional layer	Polyethylene copolymer
Water vapour permeability Sd	17 m
Variable Sd	0.4-45 m
Water permeability	W1
Fire performance	E
Tearing resistance (length/width)	80/90 N
Tensile strength (length/width)	120/120 N/50mm
Elongation (length/width)	80%/90 %

COMPATIBLE PRODUCTS



Ekovilla X
sealing tape



Ekovilla X
grommet seal

PACKAGE INFORMATION

GTIN	Width	Length	Area	Weight	Pallet package
6419412000012	1.5m	50m	75m ²	6kg	24 rolls/pallet*
6419412000029	3m	50m	150m ²	12kg	24 rolls/pallet**

*Dimensions 150x75x70cm

**Dimensions 300x75x70cm