

CONSTIVAP 18 PLUS

Reinforced vapour check, suitable for all fibrous insulation



Technical data

		Material
Fleece		Polypropylene
Membrane		Polyolefin film
Reinforcement		Polypropylene

Property	Regulation	Value
Colour		white-transparent
Surface weight	EN 1849-2	90 g/m ² ; 0.29 oz/ft ²
Thickness	EN 1849-2	0.25 mm ; 10 mils
sd value	EN 1931	19 m
g value		95 MN-s/g
Vapour permeance	ASTM E96	0.17 US perms
Fire rating		E
Watertightness to liquid water	EN 13984	NPD
Tensile strength MD/CD	EN 13501-1	355 N/5 cm / 285 N/5 cm ; 38 lb/in / 33 lb/in
Elongation MD/CD	EN 13859-1 (A)	15 % / 15 %
Nail tear resistance MD/CD	EN 13859-1 (B)	240 N / 200 N ; 54 lbf / 45 lbf
Durability after artificial ageing	EN 1296 / EN 1931	passed
Temperature resistance		permanent -40 °C to 80 °C ; -40 °F to 176 °F
Thermal conductivity		0.04 W/(m·K) ; 0.3 BTU·in/(h·ft ² ·°F)
CE labelling	EN 13984	yes

Areas of application

Use as a vapour check and airtight membrane for roofs, walls, ceilings and floors for all fibrous insulation materials, in accordance with the requirements of DIN 4108-7, SIA 180 and RE 2020.

As a vapour check installed on the interior for structures that are open to diffusion on the exterior.

Suitable for blown-in insulation materials.

Advantages

- ✓ Constant s_d value > 19 m; g value > 90 MN-s/g; < 0.18 US perms
- ✓ Very low elongation in combination with blown-in insulation materials
- ✓ White-transparent membrane: The structure underneath remains visible
- ✓ High nail pull-out resistance
- ✓ Also serves as a vapour check and airtight layer



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)

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EN 13984

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The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about installation and design details is available in the pro clima planning documentation. If you have any questions, please contact [pro clima Technical Support](<https://proclima.com/service/technical-support>).

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