DA

Vapour control membrane membrane for external insulation and roof refurbishment

Technical data

	Material
Protective and covering fleece	Polypropylene
Functional film	Polypropylene

Property	Regulation	Value
Colour		Green
Surface weight	EN 1849-2	130 g/m² ; 0.43 oz/ft²
Thickness	EN 1849-2	0.45 mm ; 18 mils
Water vapour resistance factor µ	EN 1931	5 000
sd value	EN 1931	2.30 m
g value		11.5 MN·s/g
Vapour permeance	ASTM E 96	1.4 perms
Fire class	EN 13501-1	E
Outdoor exposure		3 months
Outdoor exposure for refurbishment betw. 2 insulation layers		14 days ; 7 days at ≤10 °C (≤50 °F)
Watertight joints with 'connect' adhesive strips or TESCON VANA tape	EN 13859-1	W1
Watertightness to liquid water	EN 1928	W1
Water column	EN ISO 811	> 2 500 mm ; > 8' 2"
Airtightness	EN 12114	Tested
Tensile strength MD/CD	EN 12311-2	230 N/5 cm / 200 N/5 cm ; 26 lb/in / 23 lb/in
Elongation MD/CD	EN 12311-2	90% / 90%
Nail tear resistance MD/CD	EN 12310-1	120 N / 115 N ; 27 lbf / 26 lbf
Durability after artificial ageing	EN 1296 / EN 1931	Passed
Temperature resistance	EN 1109, EN 1296, EN 1297	Permanent -40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		0.04 W/(m·K) ; 0.3 BTU·in/(h·ft²·°F)
CE labelling	EN 13984	Yes

Areas of application

For use as a vapour control (alternate terms: vapour check or retarder) membrane and airtight membrane directly on top of sheathing underneath suitable external roof insulation made of all insulation materials on structures that are open to diffusion on the exterior (roofing underlay with SOLITEX MENTO 3000, for example).

In addition, DA can be installed as an airtight membrane and refurbishment vapour control between two layers of insulation. All fibrous insulation materials can be used for insulation installed between rafters; the external roof insulation must be a foam insulation material (e.g. consisting of PUR, PIR or EPS). Please contact Technical Support at pro clima in Germany for assistance with calculating the thickness of the external foam insulation that is required from a building physics viewpoint. If necessary, the outer sealing layer should be implemented using a diffusion-open roofing underlay membrane (e.g. SOLITEX MENTO 3000).

Supply forms

Art. no.	GTIN	Length	Width	Contents	Weight	Sales unit	Container
10098	4026639011947	50 m	1.5 m	75 m²	10 kg	1	20

Advantages

- ✔ Protects building structures against weathering during the construction phase for roof pitches of 10° (2.1:12) and higher
- ✔ Water-resistant and waterproof, can be walked on
- ✔ Acts as a vapour control and airtightness layer simultaneously
- ✔ Excellent values in hazardous substance testing, has been tested according to the ISO 16000 evaluation scheme

General conditions

pro clima DA is to be installed with the printed side facing the installation technician. The membrane is to be installed horizontally (parallel to the eave) in a taut manner. The weight of the insulation material must be supported by the sheathing.

Airtight seals can only be achieved on vapour control (alternate terms: vapour check or retarder) membranes that have been fitted with no folds or creases. Ventilate regularly and systematically to prevent build-up of excessive humidity (e.g. during the construction phase). Occasional, intermittent ventilation is not sufficient to remove large quantities of moisture due to construction work from a building; use a dryer if necessary.

To avoid condensation formation, the thermal insulation should be installed immediately after the airtight installation of DA. This applies particularly to work carried out in winter.

Fastening

- Overlap the membranes by at least 10 cm (3/8").
- Use fastening staples that are at least 10 mm (3/8") wide by 8 mm (5/16") long to attach the membranes. The membranes can only be fastened in a protected manner in the overlap area. The maximum distance between fasteners is 10 to 15 cm (4" to 6").

Tested for hazardous substances according to ISO 16000

CE 07 EN 13984

UK CA

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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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