



### Technical data

|                                |  | Material      |
|--------------------------------|--|---------------|
| Protective and covering fleece |  | Polypropylene |
| Functional film                |  | Polypropylene |

| Property   | Regulation                | Value   |
|--|---------------------------|---|
| Colour   |                           | Green   |
| Surface weight   | BS EN 1849-2              | 130 g/m <sup>2</sup>                          |
| Thickness  | BS EN 1849-2              | 0.45 mm                                       |
| Water vapour resistance factor $\mu$                                 | BS EN 1931                | 5 000   |
| sd value   | BS EN 1931                | 2.30 m  |
| g value  |                           | 11.5 MN-s/g                                   |
| Fire class   | BS EN 13501-1             | E   |
| Outdoor exposure   |                           | 3 months                                      |
| Outdoor exposure for refurbishment betw. 2 insulation layers         |                           | 14 days ; 7 days at $\leq 10$ °C              |
| Watertight joints with 'connect' adhesive strips or TESCON VANA tape | BS EN 13859-1             | W1  |
| Watertightness to liquid water                                       | BS EN 1928                | W1  |
| Water column   | BS EN ISO 811             | > 2 500 mm                                    |
| Airtightness   | BS EN 12114               | Tested  |
| Tensile strength MD/CD   | BS EN 12311-2             | 230 N/5 cm / 200 N/5 cm                       |
| Elongation MD/CD   | BS EN 12311-2             | 90% / 90%                                     |
| Nail tear resistance MD/CD   | BS EN 12310-1             | 120 N / 115 N                                 |
| Durability after artificial ageing                                   | BS EN 1296 / BS 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)                                  |
| CE labelling   | BS EN 13984               | Yes   |

### Areas of application

For use as a vapour check (alternate terms: vapour control 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 used as an airtight membrane and refurbishment vapour check 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 m <sup>2</sup> | 10 kg  | 1          | 20        |

### Advantages

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

### General conditions

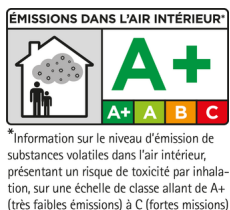
pro clima DA is to be installed with the printed side facing the installation technician. The membrane is to be installed horizontally (parallel to the eave) in a taut manner. The weight of the insulation material must be supported by the sheathing.

Airtight seals can only be achieved on vapour check (alternate terms: vapour control 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.
- Use fastening staples that are at least 10 mm wide by 8 mm 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.



Tested for hazardous substances according to



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 application and construction is given in the pro clima planning documentation and application recommendations. If you have any questions, please call the pro clima technical hotline Ireland and UK:

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For over 20 years, Ecological Building Systems has been at the forefront of environmental and sustainable building products supplying a range of innovative airtightness solutions and natural insulations backed up with expert technical support.

**As product suppliers in the UK and Ireland, we're happy to assist you with your projects and have expert technical and sales advice on hand.**



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