



Technical data

Material		
Fleece	3-ply polypropylene	
Property	Regulation	Value
Colour		Grey
Surface weight	EN 1849-2	45 g/m ² ; 0.15 oz/ft ²
Thickness	EN 1849-2	0.1 mm ; 4 mils
Water vapour resistance factor μ	EN 1931	300
sd value	EN 1931	0.03 m
g value		0.15 MN·s/g
Vapour permeance	ASTM E 96	109 US perms
Fire class	EN 13501-1	E
Tensile strength MD/CD	EN 12311-2	80 N/5 cm / 50 N/5 cm ; 9 lb/in / 6 lb/in
Temperature resistance		Permanent -40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		0.04 W/(m·K) ; 0.3 BTU·in/(h·ft ² ·°F)

Areas of application

For use as dust and trickle protection for rooms under ceilings with loose-fill insulation and in floors.

Supply forms

Art. no.	GTIN	Length	Width	Contents	Weight	Sales unit	Container
10100	4026639011961	50 m	1.5 m	75 m ²	3.9 kg	1	35

Advantages

- ✓ Easy to work with: robust PP fleece
- ✓ Flexible application: for dry and slightly moist fillings
- ✓ Reliable protection against dust thanks to particularly close interweaving
- ✓ For well-protected building components: particularly diffusion-open

General conditions

The pro clima RB dust protection membrane protects against dust and fibres, and can be used on floors or on the underside of ceilings. The membrane is to be installed on a subsurface that is sufficiently pressure-resistant and that can bear the mechanical stresses resulting from insulation materials, fillings or other inserted materials, for example. The dust protection membrane itself must remain free of stresses of this type.

If the membrane is installed from below onto building components, mechanical fastening of the membrane is to be provided. This can be accomplished either by means of cross battens (for light materials such as mineral wool) or boards that provide support across the full area of the membrane (e.g. if wood-fibre/cellulose insulation or fillings are used).

Create membrane overlaps of approx. 10 cm (4"). The marking that is printed onto the membrane will serve as a guide here.

If required, these overlaps can be taped over with adhesive tapes from the pro clima system (e.g. TESCON VANA all-round adhesive tape). Ensure that there is sufficient application and resistance pressure when applying this tape.

Centre the adhesive tape on the overlap and gradually stick it in place, ensuring that there are no folds or tension. The PRESSFIX application tool can be used to help achieve an even application pressure.

Bonding to rough or mineral subsurfaces can be achieved using the ORCON F joint adhesive from the pro clima system, for example. To do this, apply a line of adhesive that is at least 5 mm (3/16") thick (more in the case of very rough subsurfaces, if necessary) and apply the dust protection membrane onto this adhesive bed. Do not press the adhesive completely flat.

The RB dust protection membrane can also be combined with slightly moist fillings if the membrane is installed on a pressure-resistant subsurface (e.g. floors or in the spaces between joists). In this case, it is to be ensured that the moisture can dry out and that adjacent materials will not be damaged by this moisture.

Full-surface panelling is to be provided to protect the RB dust protection membrane against mechanical damage and UV radiation. This panelling is not necessary in inaccessible spaces where there is no incident sunlight or scattered light.



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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