



### Technical data

Material		
Sheet		Building paper, glued with PE
Reinforcement		Fibreglass mesh
Property	Regulation	Value
Colour		Blue
Surface weight	BS EN 1849-2	190 g/m <sup>2</sup>
Thickness	BS EN 1849-2	0.23 mm
Water vapour resistance factor $\mu$	BS EN 1931	10 000
sd value	BS EN 1931	2.30 m
sd value, humidity-variable	BS EN ISO 12572	0.40 - 4 m
g value		11.5 MN·s/g
g value, humidity-variable		2 - 20 MN·s/g
Hydrosafe value	DIN 68800-2	2 m
Reaction to fire classification	BS EN 13501-1	E
Watertightness to liquid water	BS EN 13984	NPD
Airtightness	BS EN 12114	Tested
Tensile strength MD/CD	BS EN 13859-1 (A)	550 N/5 cm / 420 N/5 cm
Elongation MD/CD	BS EN 13859-1 (A)	5% / 5%
Nail tear-resistance MD/CD	BS EN 13859-1 (B)	70 N / 70 N
Durability after artificial ageing	BS EN 1296 / BS EN 1931	Passed
Temperature resistance	EN 1109, EN 1296, EN 1297	Permanent up to +40 °C
Thermal conductivity		0.04 W/(m·K)
CE labelling	BS EN 13984	Yes

### Areas of application

Vapour control (alternate terms: vapour check or retarder) membrane for use on roofs, walls, ceilings and floors in combination with all fibrous insulation materials, including blown-in insulation, on structures that are open or closed to diffusion on the exterior, after appropriate design calculations.

### Supply form

Art. no.	Length	Width	Contents	Weight	Sales unit	Container	GTIN
10081	100 m	0.75 m	75 m <sup>2</sup>	14 kg	1	24	4026639011039
10084	50 m	1.05 m	52.5 m <sup>2</sup>	10 kg	1	42	4026639011114
10086	50 m	1.35 m	67.5 m <sup>2</sup>	13 kg	1	42	4026639011121
10087	50 m	1.7 m	85 m <sup>2</sup>	16 kg	1	42	4026639011343
10088	50 m	2.75 m	137.5 m <sup>2</sup>	26 kg	1	20	4026639011077

### Advantages

- ✓ Excellent protection against damage to structures and mould thanks to humidity-variable diffusion resistance
- ✓ Protected winter building sites thanks to hydrosafe® behaviour
- ✓ Can be combined with all fibrous insulation materials (including blown-in insulation)
- ✓ Ecological solution for sealing of the building envelope
- ✓ Excellent values in hazardous substance testing, has been tested according to the ISO 16000 evaluation scheme

### General conditions

pro clima DB+ can be installed with the printed or unprinted side facing the installer, either parallel or at a right angle to the sub-structure, for example, the rafters. It must not be stretched tight.

If installed horizontally (at right angles to the sub-structure) then the maximum space permitted between the rafters is 100 cm. After laying, it is necessary to support the weight of the insulation with lathing on the inside. The laths should be no more than 65 cm apart. If, when using insulation mats and boards, for example, you expect tension as a result of the insulation weight on the adhesive tape joins, an additional supporting lath should be placed on the overlap. Alternatively, the adhesive tape can be reinforced along the overlap by sticking strips of adhesive tape at right angles to the overlap every 30 cm.



Airtight seals can only be achieved on vapour control membranes that have been laid without folds or creases. Ventilate regularly to prevent excessive humidity (e.g. during the construction phase). Occasional rush/inrush ventilation is not adequate to quickly evacuate large amounts of construction-related humidity from the building. Use a dryer if necessary.

To prevent condensation, DB+ should be taped or sealed so that it is airtight immediately after installing the thermal insulation. This particularly applies when working in winter.

**Additional information on blown-in insulation**

DB+ can also be used as a membrane for all types of blown-in insulation. Its reinforcement layer prevents tearing during the process of blowing in insulation filling. If installed parallel to the sub-structure, it has the advantage that the overlap is supported on a firm foundation and is therefore protected.

To prevent condensation, the blown-in insulation should be installed immediately after installing the airproofing layer. This particularly applies when working in winter.



Tested for hazardous substances according to  
**ISO 16000**

**CE**  
07  
EN 13984

**UK  
CA**



**Made in  
Germany**



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.

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