

## DB+

Hydrosafe vapour retarder made of building paper



### Technical data

Substance	
Sheet	Building paper, glued with PE
Reinforcement	Fiberglass mesh

  

Attribute	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
Fire rating	BS EN 13501-1	E
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
Artificial ageing by long term	BS EN 1296 / BS EN 1931	passed
Temperature resistance		permanent up to +40 °C ; +104 °F
Thermal conductivity		0.13 W/(m·K)
National technical approval (DE)	DIN 68800-2	Z-9.1-852
CE labelling	BS EN 13984	available

### Area of application

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.

### Forms of delivery

Art. no.	GTIN	Length	Width	Contents	Weight	Sales unit	Container
10081	4026639011039	100 m	0.75 m	75 m <sup>2</sup>	14 kg	1	24
10082	4026639011046	100 m	0.9 m	90 m <sup>2</sup>	17 kg	1	24
10083	4026639011053	100 m	1.05 m	105 m <sup>2</sup>	20 kg	1	24
10084	4026639011114	50 m	1.05 m	52.5 m <sup>2</sup>	10 kg	1	42
10085	4026639011060	100 m	1.35 m	135 m <sup>2</sup>	25 kg	1	24
10086	4026639011121	50 m	1.35 m	67.5 m <sup>2</sup>	13 kg	1	42
10087	4026639011343	50 m	1.7 m	85 m <sup>2</sup>	16 kg	1	42
10088	4026639011077	50 m	2.75 m	137.5 m <sup>2</sup>	26 kg	1	20

### Advantages

- ✓ Excellent protection against damage to structures and mould thanks to humidity-variable diffusion resistance
- ✓ Permanent protection: officially tested and certified performance
- ✓ 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 the hazardous substance test, has been tested according to the ISO 16000 evaluation scheme

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.



## General conditions

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

If laid 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 stuck down so that it is airtight immediately after installing the thermal insulation. This particularly applies when working in winter.

Additionally for blown-in insulation

DB+ can also be used as a membrane for all types of blown-in insulation. Its reinforcing layer prevents tearing when blowing in the insulation. If laid along 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 introduced immediately after installing the airproofing layer. This particularly applies when working in winter.

