

Remains superior in its **performance even during** critical applications - the blaugelb all-weather foil.



blaugelb all-weather foil

The perfect product for permanent sealing of the outer level for components in contact with the ground.

- Can be used year-round at temperatures from -5 °C to +30 °C
- Tested according to DIN 18195-2
- Moisture and temperature resistant – immediate sealing against water and driving rain
- Building material class E according to EN 13501-1 (B2)

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Product features:

The blaugelb all-weather foil is a 1.5 mm-thick sealing sheet made of polymer-modified bitumen combined with a flexible, tear-resistant HDPE foil. It is fully cold self-adhesive and is used for airtight, windproof and watertight bonding of facade parts, for outer sealing of windows and doors, such as patio doors and full length windows, and for threshold sealing. In the area that is in contact with the ground in particular the blaugelb all-weather foil protects against non-accumulating seepage water such as rainwater, seepage water and raw water in dripping, liquid form that does not exert any or only exerts little hydrostatic pressure on the sealing and against ground moisture (capillary and retained water) according to DIN 18195-4 as well as non-pressing water according to DIN 18195-5. Also suitable for the sealing of wall and floor surfaces in wet rooms.

Because the blaugelb all-weather foil is designed on a bitumen basis, the transition to other bitumen-based perimeter sealing is not a problem. The blaugelb all-weather foil exhibits outstanding adhesion on the standard construction substrates. The appropriate blaugelb Primer is also available for special requirements. The blaugelb all-weather foil has a perforated masking paper for easier handling.

Product benefits:

- Can be used year-round at temperatures from -5 °C to +30 °C (foil: +5 °C to +30 °C)
- Immediate sealing against water and driving rain
- Moisture and temperature resistant
- High adhesive strength on most standard construction substrates*
- Can also be used for difficult substrates with the appropriate blaugelb Primer*
- Flexible and elastic foil, clings well to the substrate
- Thickness 1.5 mm – robust and permanent
- Outstandingly suitable for the time-critical application due to its fast and easy handling – no through drying necessary
- Perforated masking paper for easy handling
- Compatible with bitumen
- Forms a barrier against vapour
- Building material class E (EN 13501-1 (B2))
- Tested according to DIN 18195-2
- Manufactured under an ISO 9001/EN 29001-compliant quality system

*Carry out suitable pretests.

Technical data:

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|--|---|
| Material: | polymer-modified cold self-adhesive bitumen sheet combined with tear-resistant HDPE foil |
| Building material class: DIN 13501 | Class E |
| sd-value: | 252 m (forms a barrier against vapour); water vapour diffusion resistance $\mu=168,500$ |
| Air permeability coefficient: | airtight |
| Watertightness against driving rain and watertightness: DIN EN 1296 / 1928 | watertight |

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| Bitumen compatibility: DIN 7864 TI | exists |
| Foil thickness: | 1.5 mm |
| Resistance to temperature changes: DIN 18542 | satisfied from -30 °C to +80 °C |
| Processing temperature: | -5°C to +30 °C |
| Verification of suitability for materials for waterproofing buildings: DIN 18195-2 | satisfied |
| Waterproofing against ground moisture (capillary water, retained water), non-accumulating seepage water: DIN 18195-4 | satisfied |
| Waterproofing against non-pressing water: DIN 18195-5 | satisfied |
| Elongation at breaking force [%]: DIN EN 12311-1 Method A | lengthwise s = +/-13; crosswise s = +/-20.7 |
| Cold bending properties: | ≤ 30 °C |
| Dimension tolerance: DIN 7715 T5 P3 | satisfied |
| Storage temperature: | at +5°C to +30°C |
| Storage life: | 12 months with dry storage in unopened original packaging, standing upright |
| Colour: | black |

| Product name | PU | Item no. |
|--|----------|----------|
| blaugelb all-weather foil 150x1.5 mm single perforation | 4 x 20 m | 0418868 |
| blaugelb all-weather foil 200x1.5 mm double perforation | 3 x 20 m | 0418869 |
| blaugelb all-weather foil 250x1.5 mm double perforation | 2 x 20 m | 0418870 |
| blaugelb all-weather foil 300x1.5 mm double perforation | 2 x 20 m | 0418871 |

Preparation and processing:

The surface must be solid, dry, clean and free of grease, separating agents, solvents, dust, ice and loose parts. The ideal handling temperature for blaugelb all-weather foil is > 5 °C.

With porous or moist substrates as well as at low temperatures, pretreating with the blaugelb Primer can increase the adhesion (see corresponding technical data sheet). Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer.

Unwind the blaugelb all-weather foil from the roll and cut it to the required length. Pull off the perforated masking paper along the perforation, apply the blaugelb all-weather foil with the partial area on the substrate and use a suitable tool (e.g. pressure roller) to press it on tightly and mould the foil onto the contours of the substrate. Note here that no air inclusions remain and the foil adheres free of stress. The foil adheres immediately. An additional fastener can possibly be attached at the upper edge of the blaugelb all-weather foil. Pull off the remaining partial area of the masking paper and bond the foil as described above.

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Note when using for the sealing of full length window elements: As required in DIN 18195, an additional mechanical attachment of the created foil sealing (protection, e.g. by means of a capping strip) must subsequently be performed.

Delivery and storage form:

Store upright in the original packaging in a dry place and protect against effects of frost and heat. Can be stored for 12 months at a storage temperature between +5°C and +30°C.

Disposal:

The disposal conforms with the national and local specifications.

Safety note:

According to the available specifications and guidelines, the product is not a hazardous substance.