

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
- Compliant with DIN 18531-5, DIN 18533-1, DIN 18533-2
- Moisture and temperature resistant – immediate sealing against water and driving rain
- Building material class E according to EN 13501-1 (B2)

## 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 façade parts, for outer sealing of windows and doors, such as patio doors and full length windows, and for threshold sealing. The blaugelb All-Weather Foil is suitable for the waterproofing of elements in contact with soil in accordance with DIN 18533-1 and 18533-2, for waterproofing against ground moisture and non-pressing water in floor slabs and walls in contact with soil (Class W1.1-E), against ground moisture and non-pressing water in floor slabs and walls in contact with soil with drainage (Class W1.2-E), for waterproofing against capillary rising damp in and under walls, splash water and ground moisture at the wall base (Class W4-E) and as a water vapour barrier in the floor area under screeds, as well as for waterproofing balconies and walkways in accordance with DIN 18531-5.

The blaugelb All-Weather Foil exhibits outstanding adhesion on the standard construction substrates. For proper processing, the substrate is to be pretreated with the suitable blaugelb All-Weather Bitumen Primer (item no. 0433208, see corresponding technical data sheet). The blaugelb All-Weather Foil has a perforated masking paper for easier handling.

## Product benefits:

- Can be used year-round at temperatures from  $-5\text{ °C}$  to  $+30\text{ °C}$  (foil:  $+5\text{ °C}$  to  $+30\text{ °C}$ )
- Immediate sealing against water and driving rain
- Moisture and temperature-resistant
- High adhesive strength on most standard construction substrates\*
- To be used with the suitable blaugelb All-Weather Bitumen Primer for increased adhesion\*
- 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))
- Compliant with DIN 18531-5, DIN 18533-1, DIN 18533-2\*\*
- Manufactured under an ISO 9001/EN 29001-compliant quality system

\*Carry out suitable pretests.

\*\*Further details can be found in the respective DIN standards

## Technical data:

Material:	Polymer-modified cold self-adhesive bitumen sheet combined with tear-resistant HDPE foil
Building material class: <b>DIN 13501</b>	Class E
sd-value:	252 m (forms a barrier against vapour); water vapour diffusion resistance $\mu = 168,500$
Air permeability coefficient:	Airtight

The information provided in this document corresponds to the information and technical details available to the best of our knowledge. However, this does not constitute a guarantee pursuant to section 443 of the German Civil Code (BGB). Our processing instructions are to be considered only as general guidelines and may differ in the individual case due to the range of possible uses and applications. They do not therefore automatically exempt the user from carrying out their own tests. We reserve the right to make technical modifications and enhancements at any time.

Watertightness against driving rain and watertightness: <b>DIN EN 1296 / 1928</b>	Watertight
Bitumen compatibility: <b>DIN 7864 T1</b>	Confirmed
Foil thickness:	1.5 mm
Processing temperature:	$-5\text{ °C}$ to $+30\text{ °C}$
Verification of suitability for materials for waterproofing buildings: <b>DIN 18531-5, DIN 18533-1, DIN 18533-2</b>	Satisfied
Elongation at breaking force [%]: <b>DIN EN 12311-1 Method A</b>	Lengthwise $s = +/-13$ ; crosswise $s = +/-20.7$
Cold bending properties:	$\leq 30\text{ °C}$
Dimension tolerance: <b>DIN 7715 T5 P3</b>	Satisfied
Storage temperature:	At $+5\text{ °C}$ to $+30\text{ °C}$
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  $> 5\text{ °C}$ .

For proper processing, the substrate is to be pretreated with the suitable blaugelb All-Weather Bitumen Primer (item no. 0433208, 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. blaugelb Pressure Roller item no. 9074068, see corresponding data sheet) 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. A stabilising strip may be required 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.

Note when using for the sealing of full length window elements: As required in DIN 18531 and 18533, an additional mechanical attachment of the created foil sealing (stabilisation, e.g. by means of a capping strip) must subsequently be performed.

# blaugelb All-Weather Foil

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



## **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.