



Extremely strong adhesion, smooth fitting:
the blaugelb Foil Outside **SL¹⁰⁵⁰ Power One**.



blaugelb Foil Outside **SL¹⁰⁵⁰ Power One**

Holds strong where other foils are weak – reliable weather protection for outer joints.

Product features:

The blaugelb Foil Outside **SL¹⁰⁵⁰ Power One** is used on the outer level of connecting and expansion joints for windows and doors during restoration as well as for new construction to ensure sealing that is windtight, watertight to driving rain and open to vapour diffusion.

The foil can also readily be used as a second sealing level beneath the window sill.

blaugelb Foil Outside **SL¹⁰⁵⁰ Power One** is available in various widths. It can thus be adapted to the profile systems starting at 64 mm and used to seal threshold profiles and open hollow chambers. The advantage: no warm, moist air enters the profiles, condensation and the formation of thermal bridges are avoided.

In the widths from 75 mm to 350 mm, blaugelb Foil Outside **SL¹⁰⁵⁰ Power One** is ideal for sealing window joints and façade parts.

- Brilliantly high adhesive strength guarantees excellent bond
- Immediate extreme grip on substrate and with overlaps
- With soft fleece – nestles into every corner
- The blaugelb Foil Outside **SL¹⁰⁵⁰ Power One** is watertight against driving rain up to $\geq 1,050$ Pa
- UV-resistant for 12 months
- Open to vapour diffusion – keeps the joint dry



Combined with the blaugelb Foil Inside **SL¹⁰⁵⁰** Power Plus, it results in the perfect sealing of joints on the inside and outside.

Product benefits:

- Airtight, windtight and watertight to driving rain as well as open to vapour diffusion for the outer level according to DIN 18355
- With fixed sd-value ≤ 0.5 m
- Brilliantly high adhesive strength on the standard construction substrates and window and door profiles* without additional foil adhesive
- Fully adhesive on one side, can be used on one side
- For sealing threshold profiles and open profile parts
- Can be plastered, bonded and painted over, hidden installation
- UV-resistant for 12 months
- Watertight against driving rain over 1,050 Pa
- Waterproof
- Flexible and elastic, compensates for joint movements
- Moisture and temperature-resistant
- Easy to process with perforated protective paper
- Joint sealing compliant with the “Leitfaden zur fachgerechten Montage” [Guideline for Proper Installation] and the German Building Energy Law (GEG)
- EMICODE EC1 Plus certified
- Manufactured under an ISO 9001/EN 29001-compliant quality system

Technical data:

Material:	Special plastic foil with fleece backing, adhesive on one side
Building material class: DIN 13501	Class E
Adhesive:	Heavy-duty special adhesive
sd-value: DIN EN ISO 12572	sd-value ≤ 0.5 m
Joint permeability coefficient: DIN EN 12114	$a < 0.1 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$, no measurable air passage
Watertightness against driving rain: DIN EN 1027	≥ 1,050 Pa
Watertightness:	2,000 Pa
UV stability:	Approx. 12 months
Temperature resistance:	From approx. -40 °C to +90 °C
Ambient temperature during handling:	-5 °C to +45 °C if the foil is at the storage temperature
Compatibility with adjacent building materials:	Satisfied
Flexibility at -23 °C:	No break, no cracks
Dimension tolerance: DIN 7715 T5 P3	Satisfied
Storage temperature:	At +5 °C to +20 °C
Shelf life:	12 months with dry storage in unopened original packaging
Colour:	Black

Product name	PU	Item no.
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 75 mm single perforation	8 x 30 m	9123143
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 90 mm double perforation	8 x 30 m	9123204
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 120 mm double perforation	8 x 30 m	9123205

Product name	PU	Item no.
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 150 mm double perforation	4 x 30 m	9123206
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 200 mm double perforation	4 x 30 m	9123207
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 250 mm double perforation	4 x 30 m	9123208
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 300 mm double perforation	4 x 30 m	9123209
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 350 mm double perforation	4 x 30 m	9123210
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 64 mm single perforation	12 x 30 m	9123217
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 68 mm single perforation	12 x 30 m	9123218
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 70 mm single perforation	8 x 30 m	9123219
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 74 mm single perforation	8 x 30 m	9123220
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 76 mm single perforation	8 x 30 m	9123221
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 80 mm double perforation	8 x 30 m	9123222
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 82 mm double perforation	8 x 30 m	9123223
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 86 mm double perforation	8 x 30 m	9123224
blaugelb Foil Outside SL¹⁰⁵⁰ Power One 88 mm double perforation	8 x 30 m	9123225

Preparation and processing:

The surface must be solid, dry, clean and free of grease, separating agents, solvents, dust, ice, white frost and loose parts. The substrate and PVC profiles must be free of moisture/condensate. The blaugelb Foil Outside **SL¹⁰⁵⁰** Power One must be at the storage temperature specified below during handling. Under the above mentioned conditions, the blaugelb Foil Outside **SL¹⁰⁵⁰** Power One can be processed at ambient temperatures from -5 °C.

Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer. With porous or moist substrates or those that lose sand as well as at low temperatures, pretreating with a suitable primer (blaugelb Spray Primer, item no. 9066539) can increase the adhesion.

The blaugelb Foil Outside **SL¹⁰⁵⁰** Power One is intended for one and two-sided application. The self-adhesive has an outstanding adhesion on commercially available window profiles and the standard construction substrates. The foil is flexible and elastic, which means that small creases can still be smoothed down using a roller in the initial minutes of the installation. The brilliantly high adhesive strength ensures increased safety during sealing as the foil is immediately and firmly bonded to the substrate.

Unwind the blaugelb Foil Outside **SL¹⁰⁵⁰** Power One from the roll and cut it to the required length, adding approx. 5 cm. Remove the perforated protective paper on the fully adhesive side and bond the foil to the frame. Leave an adequate movement loop. Press the blaugelb Foil Outside **SL¹⁰⁵⁰** Power One tightly onto the window profile.

Completely fill the centre functional level (joint cavity) with the intended insulation material. Then bond the blaugelb Foil Outside **SL¹⁰⁵⁰** Power One free of stress to the masonry with the self-adhesive, forming a sufficient



expansion loop, and bond the foil in the corners of the jamb overlapping so as to form a bowl (approx. 2-5 cm, corresponding to the joint widths). The “corner bowl formation” thus achieved is to be recommended. The recommendations from the technical bulletin “Verputzen von Fensteranschlussfoilen” [Plastering of Window Connection Foils] should be complied with for the bonding width in the jamb area. Press the blaugelb Foil Outside **SL¹⁰⁵⁰ Power One** tightly onto the masonry.

Perform foil overlaps with a width of 50 mm. The blaugelb Pressure Roller (item no. 9074068) is suitable for pressing on to the window frame and the substrate.

Delivery and storage form:

Store 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 +20 °C.

Disposal:

Scraps of the blaugelb Foil Outside **SL¹⁰⁵⁰ Power One** can be disposed of in the household waste. The disposal generally conforms with the national and local specifications.

Safety note:

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