



Extremely strong adhesion, smooth fitting: the blaugelb Foil Inside **SL¹⁰⁵⁰ Power Plus**.



blaugelb Foil Inside **SL¹⁰⁵⁰ Power Plus**

Airtight and vapour diffusion retarding – the reliable separation of indoor and outdoor climates.

Product features:

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

The installed membrane ensures the specified airtight separation of the indoor climate from the joint. The strong self-adhesion supports the function and provides increased safety: no warm, moist room air enters the connecting joint, thereby preventing condensation – the feared mould formation is prevented.

The blaugelb Foil Inside **SL¹⁰⁵⁰ Power Plus** has a fully adhesive side as well as a self-adhesive strip on the fleece-backed side for installation on window frames. It can thus be bonded on one and both sides.

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

- 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 Inside **SL¹⁰⁵⁰ Power Plus** is watertight against driving rain up to $\geq 1,050$ Pa
- UV-resistant for 6 months
- Airtight and vapour diffusion retarding – keeps the joint dry



Product benefits:

- Sealing that is airtight and forms a barrier against vapour for the inner level according to DIN 18355
- With fixed sd-value of approx. 30 m
- Brilliantly high adhesive strength on the standard construction substrates and window and door profiles* without additional foil adhesive
- Can be applied on one side or both sides
- Fully adhesive on one side
- Self-adhesive strip on the fleece side for (pre)assembly on the window frame
- Can be plastered, bonded and painted over, hidden installation
- UV-resistant for 6 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 or both sides
Building material class: DIN 13501	Class E
Adhesive:	Heavy-duty special adhesive
sd-value: DIN EN ISO 12572	sd-value approx. 30 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	$\geq 1,050 \text{ Pa}$
Watertightness:	2,000 Pa
UV stability:	Approx. 6 months
Temperature resistance:	From approx. $-40 \text{ }^\circ\text{C}$ to $+90 \text{ }^\circ\text{C}$
Ambient temperature during handling:	$-5 \text{ }^\circ\text{C}$ to $+45 \text{ }^\circ\text{C}$ if the foil is at the storage temperature
Compatibility with adjacent building materials:	Satisfied
Flexibility at $-23 \text{ }^\circ\text{C}$:	No break, no cracks
Dimension tolerance: DIN 7715 T5 P3	Satisfied
Storage temperature:	At $+5 \text{ }^\circ\text{C}$ to $+20 \text{ }^\circ\text{C}$
Shelf life:	12 months with dry storage in unopened original packaging
Colour:	White

Product name	PU	Item no.
blaugelb Foil Inside SL¹⁰⁵⁰ Power Plus 75 mm single perforation	8 x 30 m	9123211
blaugelb Foil Inside SL¹⁰⁵⁰ Power Plus 90 mm double perforation	8 x 30 m	9123212
blaugelb Foil Inside SL¹⁰⁵⁰ Power Plus 120 mm double perforation	8 x 30 m	9123213
blaugelb Foil Inside SL¹⁰⁵⁰ Power Plus 150 mm double perforation	4 x 30 m	9123214

Product name	PU	Item no.
blaugelb Foil Inside SL¹⁰⁵⁰ Power Plus 200 mm double perforation	4 x 30 m	9123215
blaugelb Foil Inside SL¹⁰⁵⁰ Power Plus 250 mm double perforation	4 x 30 m	9123216

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 Inside **SL¹⁰⁵⁰ Power Plus** must be at the storage temperature specified below during handling. Under the above mentioned conditions, the blaugelb Foil Inside **SL¹⁰⁵⁰ Power Plus** can be processed at ambient temperatures from $-5 \text{ }^\circ\text{C}$.

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 Inside **SL¹⁰⁵⁰ Power Plus** 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 Inside **SL¹⁰⁵⁰ Power Plus** from the roll and cut it to the required length, adding approx. 5 cm.

One-sided application: Remove the narrow slit protective paper on the fully adhesive side.

Two-sided application: Remove the masking paper from the self-adhesive on the fleece side.

Press blaugelb Foil Inside **SL¹⁰⁵⁰ Power Plus** tightly onto the window profile in all application positions. Completely fill the centre functional level (joint cavity) with the intended insulation material. Then bond the blaugelb Foil Inside **SL¹⁰⁵⁰ Power Plus** without stretching to the masonry with the wide self-adhesive strip, forming a sufficient expansion loop. 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 Fensteranschlussfolien" [Plastering of Window Connection Foils] should be complied with for the bonding width in the jamb area. Press the blaugelb Foil Inside **SL¹⁰⁵⁰ Power Plus** 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 Inside **SL¹⁰⁵⁰** Power Plus 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.