



Intelligent moisture management in the connecting joint with the highest adhesive strength - perfectly combined in the blaugelb foil DuoSL¹⁰⁵⁰ Power Plus.



blaugelb foil DuoSL¹⁰⁵⁰ Power Plus

Intelligent moisture management in the connecting joint, inner and outer sealing with extreme adhesive strength - all in one product.

Product features:

The blaugelb foil DuoSL¹⁰⁵⁰ Power Plus is a combination of a special self-regulating plastic foil and a fleece backing. The sealing sheet has a variable sd-value despite its full-surface bonding. It can regulate the water vapour permeability of the joint in inner and outer application such that year-round drying is ensured.

The blaugelb foil DuoSL¹⁰⁵⁰ Power Plus is watertight against driving rain up to 1,050 Pa and UV-resistant for at least 4 months. It is elastic and absorbs the movements of the components. Being equipped with a fully adhesive side with perforated masking paper and a self-adhesive strip on the fleece side enables single-side or two-side attachment of the blaugelb foil DuoSL¹⁰⁵⁰ Power Plus and renders a foil adhesive unnecessary. Because the blaugelb foil DuoSL¹⁰⁵⁰ Power Plus can be used on the inside and outside, there is no danger of confusion and double storage is unnecessary. The blaugelb foil DuoSL¹⁰⁵⁰ Power Plus is thus the ideal sealing foil for the sealing of the connecting and expansion joints of windows and doors for restoration as well as for new construction.

- Sealing that is watertight against driving rain up to 1,050 Pa and open to vapour diffusion for the outer level
- Sealing that is airtight and forms a barrier against vapour for the inner level as per DIN 18355
- Intelligent moisture management in the joint thanks to the variable sd-value
- Inner and outer sealing with just one product
- UV-resistant at least 4 months



The blaugelb foil DuoSL¹⁰⁵⁰ Power Plus is secured with the narrow self-adhesive strip on the window profile and bonded with the fully adhesive side on the masonry. The self-adhesive has an outstanding adhesion on commercially available window profiles and the standard construction substrates. The bonding can be corrected in the first few minutes.

The blaugelb foil DuoSL¹⁰⁵⁰ Power Plus can be plastered and painted over on the fleece-backed side and can thus be installed completely hidden.

Product benefits:

- Sealing that is watertight against driving rain up to 1,050 Pa and open to vapour diffusion for the outer level
- Sealing that is airtight and forms a barrier against vapour for the inner level as per DIN 18355
- Intelligent moisture management in the joint thanks to the variable sd-value
- Inner and outer sealing with just one product
- No danger of confusion, no double storage
- Can be plastered and painted over, hidden installation
- UV-resistant at least 4 months
- Moisture and temperature resistant
- Simple handling with three self-adhesive strips
- Suitable for one-sided and two-sided application
- High adhesive strength of the self-adhesive on the standard construction substrates and window and door profiles* without additional foil adhesive
- Flexible and elastic foil, absorbs component movements
- Sturdy foil design for permanent function
- Joint sealing compliant with the Leitfaden zur fachgerechten Montage [Guideline for Proper Installation]
- Manufactured under an ISO 9001/EN 29001-compliant quality system

*Carry out suitable pretests.

Technical data:

Material:	special plastic foil with fleece backing, fully adhesive
Building material class: DIN 13501	Class E
sd-value: DIN EN ISO 12572	sd-value ≥ 0.03 m to ≤ 15 m, depending on the average air humidity
Joint permeability coefficient: DIN EN 1026:	$a \approx 0 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})\text{n}]$
Watertightness: DIN EN 1027	$\leq 1,050$ Pa
UV stability:	at least 4 months
Temperature resistance:	from approx. -40 °C to $+80$ °C
Processing temperature:	-5 °C to $+45$ °C
Compatibility with adjacent building materials:	satisfied
Dimension tolerance: DIN 7715 T5 P3	satisfied
Storage temperature:	at $+1$ °C to $+20$ °C
Storage life:	12 months with dry storage in unopened original packaging
Colour:	white

Product name	PU	Item no.
blaugelb foil DuoSL ¹⁰⁵⁰ Power Plus 75 mm x 30 m single perforation	8 x 30 m	0424605
blaugelb foil DuoSL ¹⁰⁵⁰ Power Plus 90 mm x 30 m double perforation	6 x 30 m	0419031
blaugelb foil DuoSL ¹⁰⁵⁰ Power Plus 120 mm x 30 m double perforation	4 x 30 m	0419032
blaugelb foil DuoSL ¹⁰⁵⁰ Power Plus 200 mm x 30 m double perforation	4 x 30 m	0419034
blaugelb foil DuoSL ¹⁰⁵⁰ Power Plus 250 mm x 30 m triple perforation	4 x 30 m	9035810

Preparation and processing:

The surface must be solid, dry, clean and free of grease, separating agents, solvents, dust, ice and loose parts. The blaugelb foil DuoSD¹⁰⁵⁰ Power Plus can be processed at 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 the blaugelb Primer can increase the adhesion (see corresponding technical data sheet).

Unwind the blaugelb foil DuoSL¹⁰⁵⁰ Power Plus from the roll and cut it to the required length, adding approx. 5 cm. One-sided application: Remove the narrow perforated masking paper on the fully adhesive side. Two-sided application: Attach the foil with the self-adhesion on the fleece side to the window frame.

Press blaugelb foil DuoSL¹⁰⁵⁰ 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 DuoSL¹⁰⁵⁰ Power Plus free of stress to the masonry with the side self-adhesive, 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.

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 $+1$ °C and $+20$ °C.

Disposal:

Scraps of the blaugelb foil DuoSL¹⁰⁵⁰ 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.

Product name	PU	Item no.
blaugelb foil DuoSL ¹⁰⁵⁰ Power Plus 60 mm x 30 m single perforation	10 x 30 m	0419027