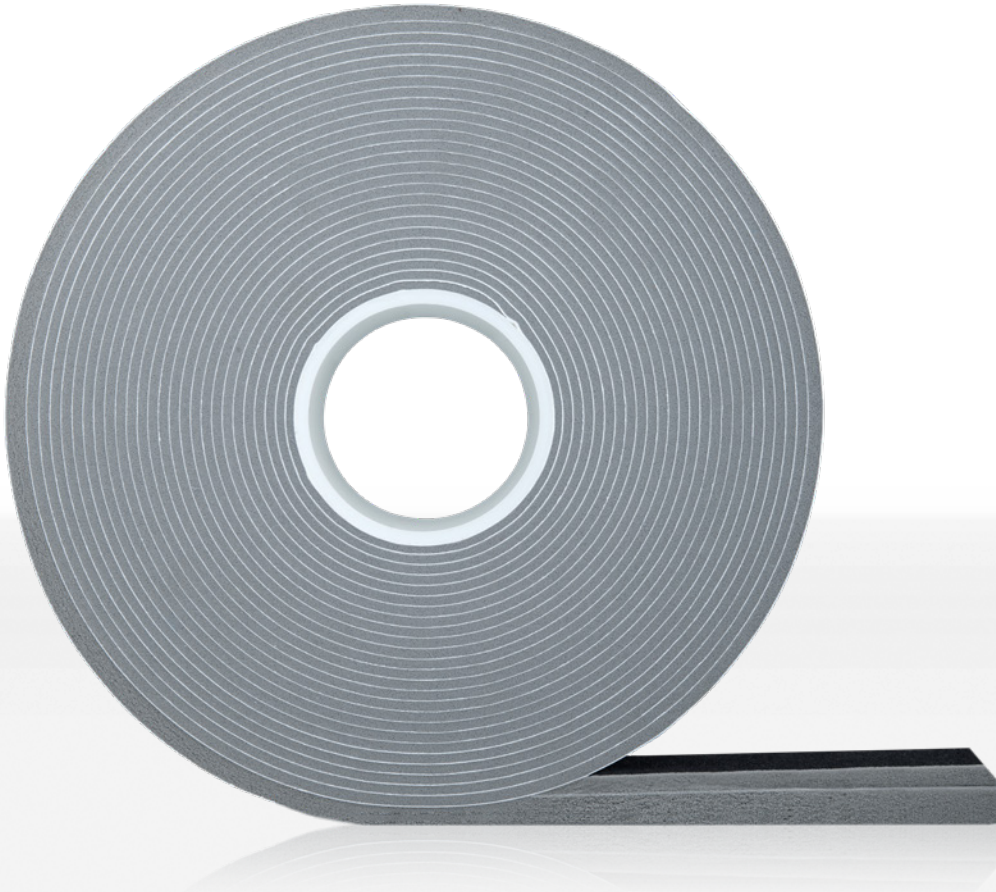


The blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ with air-stop technology LST – perfect at all levels.



blaugelb Multifunctional Tape TrioSDL⁷⁵⁰

The blaugelb multifunctional tape of the future – equipped for new requirements.

- **LST membrane: absolutely airtight for the building standard according to the German Building Energy Law (GEG)**
- **Watertight against driving rain over 750 Pa – 25 % more protection than required by standards**
- **Moisture penetration protection for increased insulation capacity in the central level**
- **Tested according to stress group MF 1/ DIN 18542:2020-04**
- **Reliably separates indoor and outdoor climates**
- **Highly effective sealing and insulation in all levels of the connecting joint with only one product in one work step**

Product features:

The combination of two special PU foams with the airtight LST membrane has resulted in a heavy-duty multifunctional tape: The blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ with air-stop technology LST protects against storms of the future and guarantees that the requirements arising from the German Building Energy Law (GEG) for sealing the connecting joint are reliably met.

The blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ is a pre-compressed 3-level sealing tape with a multi-tiered design for sealing and insulating the connecting joint with only one product. The multi-tiered design is ideally adapted to the three levels of the connecting and expansion joints on windows and doors.

The abbreviation **SDL⁷⁵⁰** stands for its properties

- **Watertight against driving rain** over 750 Pa and weather-resistant on the outside
- **Insulation** against sound and heat in the functional level
- **Airtight** and vapour diffusion retarding on the side facing the room

Extreme storm events and stricter building standards with more stringent specifications for energy savings place higher demands on window sealing, both from the outside and the inside. The nearly zero-energy building standard specified in the Germany Building Energy Law (GEG) demands maximum airtightness and insulation in the connecting joint.

- Air-stop technology LST – 100 % more airtight than required by the standard
- Effective for CO₂ reduction
- For better climate protection
- For lower heating costs
- For healthy living without mould
- Suitable for passive houses, nearly zero-energy buildings and zero-energy buildings
- For satisfying the required values in the blower door test

The sealing of the joint with blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ requires only one work step and saves both money and time required for the sealing. The pre-compressed blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ has a high resilience and expands automatically. A wider range of joint widths can thus be sealed with one tape size. Component movements are safely absorbed and tears in the joint are avoided.

The blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ can be plastered, bonded and painted over and thus be installed completely hidden. It is suitable for restoration as well as for new construction.

Product benefits:

- Absolutely airtight, a value = 0.00: Requirement of DIN 18542:2020-04 exceeded
- Reliably separates indoor and outdoor climates in the joint by means of the LST membrane
- Watertight against driving rain \geq 750 Pa – 25 % more protection than required by standards

- With moisture penetration protection, tested in accordance with new DIN 18542:2020-04 MF 1
- The connection area remains dry, which improves the insulation capacity
- Suitable for passive house and zero-energy building standard
- Complies with the principle of “tighter inside than out”
- The light grey inner side is ideal for use with modern exposed concrete walls
- Sealing of a larger joint width with just one tape
- Optimised roll length, resulting in fewer tape joints and less waste
- Moisture and temperature-resistant
- Easy and fast handling with self-adhesion
- High adhesive strength of the self-adhesive on the standard construction window and door profiles*
- Flexible – absorbs component movements
- Assembly possible irrespective of the weather
- Building material class B1 – difficult to ignite (according to DIN 4102)
- Joint sealing as per GEG, DIN 18355, DIN 4108
- Manufactured under an ISO 9001/EN 29001-compliant quality system
- Tested to be low in pollutants according to EMICODE EC1 Plus

Technical data:

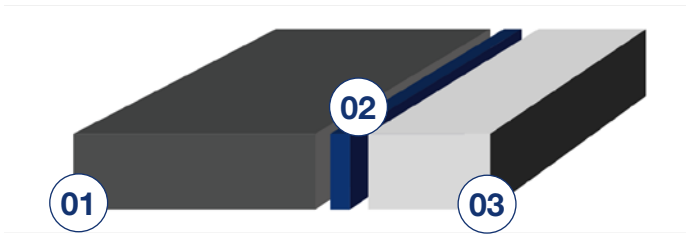
Material:	special impregnated PUR soft foam with air-stop technology and 3-level design
Building material class: DIN 4102	B1 (difficult to ignite)
Stress group: DIN 18542:2020-04	MF 1
Watertightness against driving rain: DIN EN 1027	\geq 750 Pa
Joint permeability coefficient: DIN EN 1026	$a = 0.00 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$
Thermal conductivity nominal value: DIN EN 12667 DIN 18542:2020-04	$\lambda_{0,10} = 0.052 \text{ W/m} \cdot \text{K}$
Joint sound insulation:	up to 58 dB
Resistance to temperature changes: DIN 18542:2020-04	from -30 °C to +80 °C
Compatibility with adjacent building materials: DIN 18542:2020-04	satisfied
Light and weather resistance: DIN 18542:2020-04	satisfied
sd-value:	pitch from inside to outside present
U-value with window construction depth 60 / 70 / 80 mm: DIN 4108-3	$U = 0.8 / 0.7 / 0.6 \text{ W}/(\text{m}^2 \cdot \text{K})$
Processing temperature:	+5 °C to +30 °C
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, standing upright
Colour:	anthracite (outside), grey (inside)

*Carry out suitable pretests.

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.

Product name	PU	Item no.
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 54/4-11 mm	5 x 10 m	9083714
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 54/6-17 mm	7 x 15 m	9083715
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 54/9-24 mm	7 x 10 m	9083716
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 64/4-11 mm	4 x 10 m	9083717
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 64/6-17 mm	6 x 15 m	9083718
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 64/9-24 mm	6 x 10 m	9083719
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 74/4-11 mm	4 x 10 m	9083720
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 74/6-17 mm	5 x 15 m	9083721
blaugelb Multifunctional Tape TrioSDL ⁷⁵⁰ 74/9-24 mm	5 x 10 m	9083722

Design of the tape:



- 01. Special impregnated PUR soft foam anthracite, outside
- 02. Membrane, air-stop technology
- 03. Special impregnated PUR soft foam light grey, inside

Preparation and processing:

The surface must be solid, level, 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 Multifunctional Tape TrioSDL⁷⁵⁰ 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. When selecting the suitable tape dimension, the tolerances present in the construction and the specifications for the range of applications for the multifunctional tape on the label of the box must be observed.

Unwind the blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ from the roll and cut it to the required length, adding approx. 1 cm for expansion compensa-

tion for each linear metre. Joint sealing using multifunctional tapes is to be performed as a “shadow gap”, meaning they are to be installed at a distance (setback) of approx. 2 mm from the joint edge.

The grey side of the tape must be installed facing the room side. Remove the masking paper from the self-adhesive, bond this without stretching to the smoother surface of the joint face of the component to be sealed (window profile) and press it on. The self-adhesive has an outstanding adhesion on commercially available window profiles.

Do not pull the blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ around/over corners. Always form a butt joint with the corners and ends of the tape. Add a tape reserve of approx. 15 mm where two pieces of tape are joined. Include a protrusion of the horizontal tape according to the joint width at window corner joints. Form a butt joint between the vertical tape and the horizontal tape with additional material of 5 mm.

The blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ expands automatically and creates a joint sealing watertight against driving rain following a weather-dependent homogenisation phase. Align and secure the window element in the jamb.

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. Always store cardboard boxes upright.

Disposal:

Scraps of the blaugelb Multifunctional Tape TrioSDL⁷⁵⁰ 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.