



The blaugelb Multifunctional Tape Trio**SDL**<sup>750</sup> with air-stop technology LST – perfect at all levels.



## blaugelb Multifunctional Tape Trio**SDL**<sup>750</sup>

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

### 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 Trio**SDL**<sup>750</sup> 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 Trio**SDL**<sup>750</sup> 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 **SDL**<sup>750</sup> 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 forms a barrier against vapour on the room side

- **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**



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 CO<sub>2</sub> 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 TrioSDL<sup>750</sup> requires only one work step and saves both money and time required for the sealing. The pre-compressed blaugelb Multifunctional Tape TrioSDL<sup>750</sup> 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 TrioSDL<sup>750</sup> 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 very low in emissions according to EMICODE EC1 Plus

\*Carry out suitable pretests.

### Technical data:

|  |   |
|--|---|
| Material:  | Special impregnated PUR soft foam with air-stop technology and 3-level design |
| Building material class:<br><b>DIN 4102</b>                                  | B1 (difficult to ignite)  |
| Stress group:<br><b>DIN 18542:2020-04</b>                                    | MF 1  |
| Watertightness against driving rain:<br><b>DIN EN 1027</b>                   | $\geq 750$ Pa   |
| Joint permeability coefficient:<br><b>DIN EN 1026</b>                        | $a < 0.1 \text{ m}^3 / [\text{h} \cdot \text{m}^2 \cdot (\text{daPa})^2]$     |
| Thermal conductivity rated value:<br><b>DIN EN 12667   DIN 18542:2020-04</b> | $\lambda = 0.05 \text{ W/m} \cdot \text{K}$                                   |
| Joint sound insulation:  | Up to 60 dB   |
| Thermal shock resistance:<br><b>DIN 18542:2020-04</b>                        | From $-30 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$             |
| Compatibility with adjacent building materials:<br><b>DIN 18542:2020-04</b>  | Satisfied   |
| Light and weather resistance:<br><b>DIN 18542:2020-04</b>                    | Satisfied   |
| sd-value:  | Pitch from inside to outside present  |
| U-value with window construction depth 64 / 74 / 84 mm:<br><b>DIN 4108-3</b> | $U = 0.78 / 0.68 / 0.6 \text{ W}/(\text{m}^2 \cdot \text{K})$                 |
| Processing temperature:  | $+5 \text{ }^\circ\text{C}$ to $+30 \text{ }^\circ\text{C}$                   |
| Dimension tolerance:<br><b>DIN 7715 T5 P3</b>                                | Satisfied   |
| Storage temperature:   | At $+1 \text{ }^\circ\text{C}$ to $+20 \text{ }^\circ\text{C}$                |
| Shelf life:  | 12 months with dry storage in unopened original packaging, standing upright   |
| Colour:  | Anthracite (outside), grey (inside)   |

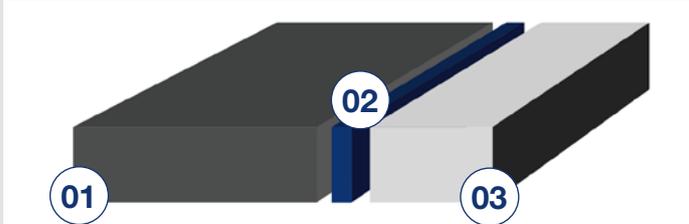
| Product name   | PU          | Item no. |
|--|-------------|----------|
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 30/4-11 mm* | 13 x 22.5 m | 9279442  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 30/6-17 mm* | 13 x 15 m   | 9279443  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 35/4-11 mm* | 11 x 22.5 m | 9279474  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 35/6-17 mm* | 11 x 15 m   | 9279475  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 40/4-11 mm* | 10 x 22.5 m | 9279476  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 40/6-17 mm* | 10 x 15 m   | 9279477  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 54/4-11 mm  | 5 x 10 m    | 9083714  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 54/6-17 mm  | 7 x 15 m    | 9083715  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 54/9-24 mm  | 7 x 10 m    | 9083716  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 54/11-34 mm | 7 x 7,5 m   | 9395810  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 64/4-11 mm  | 4 x 10 m    | 9083717  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 64/6-17 mm  | 6 x 15 m    | 9083718  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 64/9-24 mm  | 6 x 10 m    | 9083719  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 64/11-34 mm | 6 x 7,5 m   | 9395811  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 74/4-11 mm  | 4 x 10 m    | 9083720  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 74/6-17 mm  | 5 x 15 m    | 9083721  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 74/9-24 mm  | 5 x 10 m    | 9083722  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 74/11-34 mm | 5 x 7,5 m   | 9395812  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 84/4-11 mm  | 3 x 10 m    | 9279478  |



| Product name   | PU        | Item no. |
|--|-----------|----------|
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 84/6-17 mm  | 4 x 15 m  | 9279479  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 84/9-24 mm  | 4 x 10 m  | 9279480  |
| blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 84/11-34 mm | 4 x 7,5 m | 9395813  |

\*Construction-related deviation of the tape colouring.

## 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 TrioSDL<sup>750</sup> 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 TrioSDL<sup>750</sup> from the roll and cut it to the required length, adding approx. 1 cm for expansion compensation 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 TrioSDL<sup>750</sup> 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 TrioSDL<sup>750</sup> 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 TrioSDL<sup>750</sup> 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.