

Soudaband Aktiv Plus

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Technical data

Material		Impregnated open cell polyurethane foam
Application temperature		-5 °C → 40 °C
Temperature resistance	EN 18542	-30 °C → 80 °C
Fire reaction class	DIN 4102	B2 (normal flammability)
Classification according to	EN 18542	BG1 and BGR
Air permeability coefficient (in joint)	EN 12114	$a \leq 0,1 \text{ m}^3/[\text{h.m.}(\text{daPa})\text{n}]$
Impermeability to driving rain (in a joint)	EN 1027	$\geq 600 \text{ Pa}$
UV light and weather stability	EN 18542	Requirements fulfilled
Compatibility with adjacent building materials	EN 18542	requirements fulfilled
Dimension tolerance	DIN 7715 T5 P3	Requirements fulfilled
Thermal conductivity (λ)	EN 12667	0,048 W/m.K
Water vapor permeability (Sd)	EN ISO 12572	$\leq 0.5 \text{ m}$ at 50 mm width (= vapor permeable)
Water vapor diffusion resistance factor (μ)	EN ISO 12572	≤ 100
Heat transfer coefficient (U)	DIN 4108-3	(window) profile depth = 60 / 70 / 80 mm => U = 0.8 / 0.7 / 0.6 W/(m ² .K)

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Soudaband Aktiv Plus is an impregnated, pre-compressed joint sealing tape which meets the BG1/BGR standard. It has been especially developed for air- and driving rain tight sealing of connections around windows, doors and panels. Soudaband Aktiv Plus is a triple function product: airtightness on the inside, thermal and acoustic insulation in the core and driving rain tightness up to 600 Pa on the outside. Soudaband Aktiv Plus can be installed directly exposed to the weather, requires no installation into check reveal (rebate) or needs no further finishing.

Properties

- 3 in 1: airtight, thermally and acoustically insulating, driving rain tight
- Vapor permeable
- Can be applied in all weather conditions, even in rain or frost.
- UV-resistant
- Dustproof

- Complies with the requirements according to DIN 4108 (EnEv) and the recommendations of the RAL installation guide.
- Easy to apply
- No need for pretreatment or finishing
- Self-adhesive backing (= installation aid)
- Non-staining at joint edges
- Neutral and odorless
- Stays elastic and repaintable
- Weatherproof

Applications

- Sealing of (connection) joints around windows and doors
- Acoustic insulation of joints

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Packaging

Colour: Exterior side and core anthracite, interior side red

Packaging: Rolls (pre-compressed to approx. 20% of the expanded original thickness), Various sizes available. Please consult the product catalogue, the Soudal website or a Soudal representative.

Shelf life

At least 12 months in original, unopened packaging at a cool and dry storage place, between +5°C and +25°C.

Substrates

Substrates: all usual building substrates
Nature: Clean and free of grease. Slightly moist or slightly dusty substrates are no problem. The joint sides must be parallel (max. 3 degrees deviation).

Joint dimensions

Example: Soudaband Aktiv Plus 64/5-10
64 = width of the tape (mm) = suitable for a window profile with a depth of 70 mm.
5-10 = application range for BG1 and BGR, thickness of the tape = width of the joint
The width of the joint must fall within the application range of the joint sealing tape over the entire length of the joint.
Maximum joint width: must be determined at the lowest possible temperature.
Minimum joint width: is the pre-compressed thickness of the tape.
The joint sealing tape must be selected so that the tape width (= joint depth) is at least as large as the tape thickness (= joint width) in application.

Application method

- For application only a spatula, a meter, scissors or a knife and where necessary wooden wedges are required.
- Do not use the first and last part of the roll (approx. 3 cm).
- Always cut the joint sealing tape straight to form a square end.

- When measuring the length/cutting of the tape add approx. 2 cm/m.
 - Measure window sides separately and use separate pieces of joint sealing tape instead of 1 long piece. Also take the expansion of the tape on the adjacent side into account.
 - Attach Soudaband Aktiv Plus to the window (construction element) using the self-adhesive strip. The red side needs to be on the interior side of the window.
 - Do not stretch Soudaband Aktiv Plus during installation.
 - Connect the tape (at an extension or in the corners) closely to butt joints to form a tight, compressed connection.
 - When working in damp or cold conditions Soudaband Aktiv Plus can be fixed with wooden wedges until it is expanded.
 - Imperfections can be sealed after installation of the tape with Soudafoil 360H, Soudatight Hybrid or Soudaseal 215 LM.
 - To ensure optimal performance the corners should additionally be sealed with Soudafoil 360H, Soudatight Hybrid or Soudaseal 215 LM.
- * Consult the Soudal website or a Soudal representative to receive a detailed installation guide.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the label for more information.

Remarks

- When installing Soudaband Aktiv Plus, higher temperatures will speed up tape expansion while lower temperatures will delay tape expansion.
- Soudaband Aktiv Plus should not come into contact with solvents or aggressive chemicals. If in doubt, consult a Soudal representative.
- Soudaband Aktiv Plus is paintable with waterbased paints, however due to the large number of paints and varnishes

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available we strongly suggest a compatibility test before application.

- This product is elastic and therefore applied layers of paint can crack in joints that experience large movements (large difference in elasticity between sealant and paint).
- Soudaband Aktiv Plus is not suitable for sealing against pressurized or stagnant water.
- Soudaband Aktiv Plus is not suitable for movement joints in façade applications.
- Soudaband Aktiv Plus is compressed to approximately 20% of its original thickness and will therefore expand (its compression thickness) up to 5 times. It will meet its performance requirements to DIN 18542 within its designed application range only.

Standards and certificates

- BG1 and BGR according to EN 18542 - PB 10543166U (IFT Rosenheim)
- Classe 1 according to DTU 36.5 - n° 1712-68080-0000010 (Socotec France)
- Fire reaction classification B2 (DIN 4102-1) - PB 15-002373-PR01 (IFT Rosenheim)
- Acoustic insulation (EN ISO 717-1) - PB 11-000745-PR01 (IFT Rosenheim)
- MO-01/1 Bauteilprüfung (Systemtest: air and driving rain tightness of a sealing system between window and wall) - PB 11-000275-PR02 (IFT Rosenheim)
- Soudaband Aktiv Plus meets GEV EMICODE EC1 PLUS: very low emission.

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