



Product Verification

Sustainability

according to BNB BN 2015

according to BREEAM International New Construction 2016

according to DGNB NBV 2015

according to DGNB Gebäude Neubau 2018

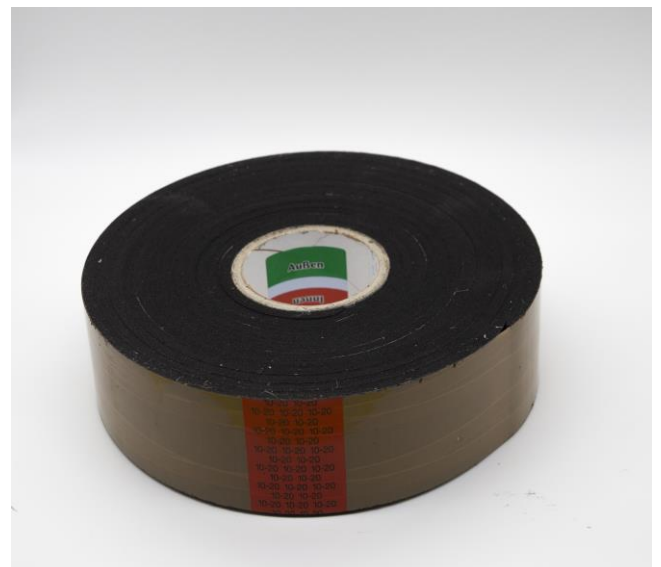
according to LEED Building Design and Construction V3 (2009)

according to LEED Building Design and Construction V4 (2015)

Product description:

The demands made on modern sealing systems for buildings are growing as the environment and energy conservation gain in importance. Winflex® TriSave special is excellently suited for primary sealing of gaps and joints associated with windows and façades. Winflex® TriSave special will ideally connect brickwork to window frames.

Winflex® TriSave special is a synthetic resin impregnated polyurethane open cell foam in the form of a pre-compressed multi-functional tape designed to seal off from air and driving rain and to thermally insulate window abutment joints. A density gradient in the impregnation of the tape will ensure the principle of “inside seal better than outside seal” is maintained. For better identification, the “inside” and “outside” sides of the tape are marked with a sticker on the inside of the roll.



Areas of application:

- Window construction
- Facade construction
- Brickwork
- Timber work
- Timber frame construction
- Prefabricated construction
- Concrete construction

Properties:

- Insulation level: acoustic and thermal insulation, 58 dB
- Outside/weather exposed: wind-tight/tight against driving rain ≥ 600 Pa, vapour permeable pursuant to DIN 18542 - MF1 / BG1
- Fire behaviour in accordance with DIN 4102-1 B1
- Compatibility with adjacent building materials tested to DIN 18542 - MF1 / BG1
- Constant quality guaranteed through regular external and in-house monitoring

Product advantages:

- Meets DIN 18542 - MF1 / BG1 / BG R requirements
- Gradual expansion of the sealing tape facilitates application
- Saving time and cost – full sealing achieved with just one work step and one product
- Storage period: 1 year in original packaging at $< 20^\circ\text{C}$ and dry



Winflex® TriSave special has been distinguished with Emicode-Seal EC1 Plus for very low emission products.



Technical data:

Stress group	MF1 / BG1 / BGR	DIN 18542
Air tightness	$a \leq 0.1 \text{ m}^3 / (\text{h} \cdot \text{m} \cdot (\text{daPa})^n)$	DIN EN 12114
Resistance to driving rain	demands of DIN 18542 – MF1 / BG1 met up to ≥ 600 Pa	DIN EN 1027
Thermal stability	- 30°C bis + 80°C	
Compatibility with other building materials	MF1 / BG1 requirements met	DIN 18542
Fire behaviour	Building material class B 1 (flame resistant)	DIN 4102
Vapour pressure gradient	inside more vapour proof than outside seal	EN ISO 12572
Acoustic insulation across joints	$R_{ST,w}$ = up to 59 dB (plastered on both sides)	ift Guideline SC-01/2:2002-09
Thermal conductivity	$\lambda = 0.046 \text{ W}/(\text{m} \cdot \text{K})$	DIN EN 12667
U value	for 60 mm frame depth for 70 mm frame depth for 80 mm frame depth	
	0.74 W / (m ² ·K)	
	0.64 W / (m ² ·K)	
	0.56 W / (m ² ·K)	
Resistance to condensation	MF1 / BGR requirements met	DIN 18542
Application temperature	+ 5°C to + 25°C	
Shelf life	12 months	
Storage temperature	+ 10°C to + 20°C	

Dimensions:

Description of the tapes	Installation depth of the window / door frame	Tape width	Functional range – joint widths	Length of roll
5 mm x 9 m	60 mm	54 mm	5 – 15 mm	8 m
	70 mm	64 mm		
	80 mm	74 mm		
	90 mm	84 mm		
10 mm x 6,5 m	60 mm	54 mm	10 – 20 mm	6,5 m
	70 mm	64 mm		
	80 mm	74 mm		
	90 mm	84 mm		
15 mm x 4,5 m	60 mm	54 mm	15 – 30 mm	4,5 m
	70 mm	64 mm		
	80 mm	74 mm		
	90 mm	84 mm		

Application notes:

Tools: Required for installation: Tape measure, spatula, scissors or knife, wedges if needed.

Preparation: Store the tape cool, should temperatures exceed 20°C. Store the tape at room temperature, should temperatures fall below 5°C. Expansion will be accelerated in higher and retarded in lower temperatures. Remove loose material from the embrasure and clean the joints. Fill holes with mortar. Remove any release agents from the sides of joints. Determine window installation depth and joint widths (taking into account joint tolerances and movement) and select a tape with suitable dimensions. To ensure effective sealing by the installed tape, do not exceed the specified maximum joint widths.

Installation: Tape preparation (marked side facing the inside of the room - see label on the inside of the roll):

Allow at least an extra 10 to 20 mm per metre when cutting the tape. Cut off the over-compressed beginning and end sections of the roll. Stick the pre-compressed tape onto the back of the window frame, from the bottom upward. Then stick the tape to the top window frame. Do not stretch the tape.

Press the tape at the top end of the window frame against the horizontally applied tape, on each side allowing the tape to protrude towards the top by a length equalling the max. joint width. Do not stick the tape around the window frame circumference in one piece. For safety reasons, offset the tape by at least 2 mm from the front of the joint towards the inside. Individual lengths of tape may be joined on the window frame by abutting or pressing accurately cut lengths of tape.

Our solvent-free, paste-like, black Fasatan® TFS adhesive in the flow pack may be used for levelling of rough unevenness or to seal around corners, abutting tapes or gaps.

The application temperature (= component temperature) must not be under + 5 °C.

Storage:

Store the rolls horizontally, in their original packaging, in dry conditions, between + 5 °C to max. 20 °C and protected from direct sunlight. Re-seal the packaging between applications and weigh down the remaining roll in its packaging to prevent expansion in storage.

The shelf life is 12 months max.

Please note:

Winflex® TriSave special can be painted over and plastered. Compatibility with varnishes, sealing compounds, coatings, etc. must be tested beforehand. Incompatibility is possible in exceptional cases. Winflex® TriSave special is not resistant against aggressive solvents and other chemical products.

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

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