

Reference: D09-1539 / 26.03.2014



Product Declaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV09)

Manufacturer BOSIG GmbH

Product Name Winflex® Optima Easy interior - Winflex® Optima Easy exterior



Product Rating

- The product fulfills the requirements of action level 1 to 4 and contributes to achieve 10 (of max. 10) criterion points within Criterion 06 'Risks for the regional environment'.



Product Declaration - LEED® 2009 New Construction And Major Renovations NC & CS

Manufacturer BOSIG GmbH

Product Name Winflex® Optima Easy interior - Winflex® Optima Easy exterior



Product Rating

The product is not applicable to any LEED credits.

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Winflex® Optima Easy interior / exterior have been tested by:



Winflex® Optima Easy interior (red = vapour impermeable) and Winflex® Optima Easy exterior (grey = vapour permeable) constitute a system of tapes to quickly and reliably seal abutment joints on windows and exterior doors. Winflex® Optima Easy interior / exterior comply with the recommendations of the RAL Quality Assurance Association assembly guidelines for windows and doors and with DIN 4108-7 standard requirements. The combination of Winflex® Optima Easy interior and Winflex® Optima Easy exterior creates the proper ratio of s_d value $> 10 / 1$ inside / outside as required by building physics, preventing outside moisture from penetrating the joint.

Winflex® Optima Easy interior and Winflex® Optima Easy exterior allows stretching in the transverse direction, for optimal absorption of structural movement. This directional flexibility guarantees durable sealing of abutment joints. The full-surface self-adhesive underside of the tape has a coating of BOSIG High Tack adhesive. This adhesive has extremely aggressive adhesive properties. This allows processing even at low temperatures. The split cover foil on this self-adhesive coating allows particularly simple and time saving application.

To allow optimal plastering over, Winflex® Optima Easy interior / exterior has a practical incorporated reinforcement fabric. This allows the plaster to strongly anchor in the subjacent brickwork when Winflex® Optima Easy interior / exterior is installed fully concealed. The plasterer sees a reinforcement fabric integrated in the tape, offering him maximum surety of planning and working. Plaster cracks are reliably prevented and the highly flexible reinforcement fabric excellently adapts to uneven substrates.




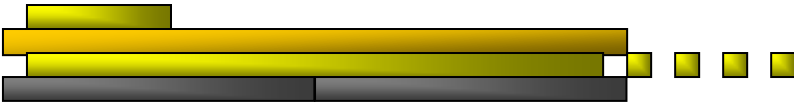
Winflex® Optima Easy interior and Winflex® Optima Easy exterior offer following benefits:

- structural movement is absorbed by the ability to stretch and flex laterally
- many types for perfect handling and optimal workability for any installation condition
- durable sealing ensured
- no additional adhesives required for application, rendering application particularly easy and time-saving
- no fluid adhesive systems to soil the window surfaces
- solvent-free
- strong adhesion of the adhesive strip to all types of window frames
- extremely strong full surface adhesive strength using BOSIG High Tack adhesive with user friendly, split cover foil
- practical reinforcing fabric allows optimal plastering over
 - optimal anchoring of the plaster on tape and wall
 - optimal adjustment to uneven substrates through extremely flexible reinforcing fabric
 - conventional methods of the plasterer working with reinforcing fabric
 - no plaster cracks
- especially suited for wooden frame construction

Technical data:

		Winflex® Optima Easy interior	Winflex® Optima Easy exterior	
Colour		red (vapour impermeable)	grey (vapour permeable)	
Base		high-grade Polymer foil, fibrous web coated on both sides		
Thermal stability		- 40 °C to + 80 °C		
Application temperature		recommended + 5 °C to + 35 °C, possible from – 10 °C		
Width		70, 100, 150 mm		
		other widths from 50 to 500 mm are available on request		
Length of roll		40 m		
Max. tensile strength	lengthwise	> 450 N / 5 cm	> 380 N / 5 cm	DIN EN 12311 – 2
	across	> 85 N / 5 cm	> 70 N / 5 cm	
Elongation at max. tensile strength	lengthwise	> 25 %	> 25 %	DIN EN 12311 – 2
	across	> 100 %	> 160 %	
Fire behaviour – testing in progress		Fire Classification E, normally inflammable		DIN EN 13501 – 1
Air tightness		airtight		DIN 4108 – 7
Water pressure resistance – tightness against driving rain		> 200 cm water column		DIN EN 20811
s _d value		approx. 32 m	approx. 0,81 m	DIN EN ISO 12572
UV resistance (outdoor weathering)		no (interior application)	max. 9 months	

Winflex® Optima Easy interior and Winflex® Optima Easy exterior are available in the following types:

Types:	
Mono	 <p>Winflex® Optima, Mono type, with full-surface self-adhesive coating and split cover foil for easy application</p>
Duo	 <p>Winflex® Optima, Duo type, with full-surface self-adhesive coating and split cover foil for easy application; additionally with 20 mm wide self-adhesive layer for attaching to window frames</p>

Processing notes:

Substrate preparation: The bonding surfaces must be smooth, dry, free of oil, grease and dust and inherently firm, stable and with load-bearing ability. To install Winflex® Optima Easy, it is necessary to smooth finish the inside of the embrasure as per DIN 4108-7. It must be ensured, especially in low temperatures, that all bonding surfaces are free of frost or ice. It is necessary to prime the substrate in several cases, e.g. with absorbent substrates and / or for instance to stabilise friable surfaces. We recommend our **Multi Primer / Multi Primer for spraying** in such cases. Initial adhesion will be reduced if applied at between 0 to – 10 °C. Although application is possible at such temperatures, high final strength will need longer time of contact.

Application of Winflex® Optima Easy Duo: Reel off spool Winflex® Optima Easy interior / exterior, Duo type, and cut to length with at least 5 cm to spare. Peel the cover foil off the self-adhesive strip and press the latter to the back of the window frame using a pressure roller. Proceed in this way on all sides of the window frame to be sealed. The window frame is now aligned and fastened. The cavity between window and wall may now be filled with the requisite volume of insulating material. Our

Combband 600 is designed for this purpose.

The split protective foil covering the full-surface self-adhesive coating is peeled off as required and the tape is carefully pressed onto the substrate. Ensure that the tapes overlap in the corners! Use a pressure roller for optimal initial adhesion.

Application of Winflex® Optima Easy Mono: The window element is aligned and fastened and the cavity between window and wall filled with a suitable quantity of insulating material. Our **Combband 600** is designed for this purpose. Reel off Winflex® Optima Easy interior / exterior, Mono type, and cut to length with at least 5 cm to spare. The split protective foil covering the full-surface self-adhesive layer is peeled off as required and the tape is carefully pressed onto the substrate and window frame. Ensure that the tapes overlap in the corners! Use a pressure roller for optimal initial adhesion.

Plastering: The fibrous web coated side of the tapes may now be plastered over by the plasterer using conventional basecoat and lime mortars and gypsum plaster. The plasterer will here incorporate reinforcing fabric in the proven and normal way, to accommodate changes in the plaster base. No need to add this on with **Winflex® Optima Easy** – it is a component of the product. The plasterer can thus work with absolute surety that his plaster will have an optimal grip on the tape and wall underneath. Cracks in the applied plaster are reliably prevented. The reinforcing fabric is flexible enough to even out uneven substrates.

Storage:

12 months from date of manufacture in sealed original container in a properly ventilated storage area at temperatures between + 10 °C and + 25 °C.



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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