

PRODUCT DATA SHEET

ISO-CONNECT INSIDE

BLUE LINE



PRODUCT DESCRIPTION

ISO-CONNECT INSIDE „BLUE LINE“ is a bio-based window connection foil for interior use, the basic component of which is obtained from renewable raw materials. The polymers used to manufacture it are based on sugar-containing plants such as sugar beet, sugarcane, corn, maize and similar species. These types of plant take up large quantities of CO₂ while they are growing. This in turn reduces actively harmful greenhouse gases, thus contributing to a balanced climate.

Sustainably produced foils such as ISO-CONNECT INSIDE „BLUE LINE“ nevertheless provide the same technical properties as foils based on purely synthetic raw materials. ISO-CONNECT INSIDE „BLUE LINE“ is a flexible and stretchable special foil for connection joints on windows, doors and panels to create a seal that is both air and wind tight. The soft and very adaptable window connection foil has an acrylate self-adhesive strip for quick and effective application to window frames. ISO-CONNECT INSIDE „BLUE LINE“ creates a vapour diffusion barrier and prevents the risk of condensation in the functional area. This meets the requirements of the Building Energy Act GEG (EnEV was valid 31.10.20) as well as the RAL “installation guide”.

PRODUCT ADVANTAGES

- bio-based and sustainably produced
- environment and climate-friendly
- creates a healthy living environment and emission-free
- high elasticity and flexible adaptation, compensates joint movement
- low inherent rigidity and at the same time high ultimate tensile strength for easy and effective application
- air tight, wind proof and vapour diffusion retardant
- driving rain and water resistant
- special fleece surface to enable plastering, painting or pasting over
- with self-adhesive strip for easy installation
- complies with the requirements of the Building Energy Act (EnEV was valid 31.10.20) and the recommendations of the RAL “installation guide”
- 10 Year Function Warranty*

* On the conditions of the manufacturer (available on request).

SERVICE

- standard sizes available from stock
- competent experienced technical support available in the field and by phone
- advice on installation and instruction on site



ISO-CONNECT INSIDE **BLUE LINE**



Technical data	Standard	Classification
Material description		bio-based polymer foil based on renewable raw materials
Colour		white
Impermeable to driving rain, single joint	DIN EN 1027	$\geq 1,050\text{Pa}$
Air permeability coefficient	DIN EN 12114	airtight $a \leq 0.1 \text{ m}^3/[\text{h}\cdot\text{m}\cdot(\text{daPa})^{2/3}]$
UV stability		approx. 3 months
Temperature stability range	internal	approx. -40°C to $+80^\circ\text{C}$
sd-value	DIN EN ISO 12572	approx. 20 m
Flexibility at -23°C .	internal	no breaks, no tears
Fire behaviour	DIN EN 13501	E
Dimension tolerance	DIN 7715 T5 P3	requirements fulfilled
Handling temperature		$+5^\circ\text{C}$ to approx. $+45^\circ\text{C}$
Shelf life		1 year, dry and in original packing
Storage temperature		$+1^\circ\text{C}$ to $+20^\circ\text{C}$

APPLICATION

ISO-CONNECT INSIDE „BLUE LINE“ is a component from the „BLUE LINE“ organic product range. It is used as an air tight level application over connection joints on the inside of the building structure. The adaptable bio-based special foil is very flexible in its application and is characterised through its low inherent rigidity, allowing problem-free application around corners and conforms to different shapes. The material's high elasticity makes it particularly suitable for the reliable sealing of movement joints. Due to the extremely high elasticity of the material it is particularly suitable for the reliable sealing of moving joints. Even on extreme movements between elements the flexible window connecting film ensures a high ultimate tensile strength.

PROCESSING

The bonding surfaces must be firm, clean from dust, stripping agents, solvents, oil and grease. When sealing window, panel and door frame connections, remove backing from the self-adhesive strip, then place the foil into position, press and roll down firmly. ISO-CONNECT INSIDE „BLUE LINE“ can be applied in the factory or workshop.

For bonding to walls ISO-TOP FLEX-ADHESIVE SP or XP (follow the ISO-TOP FLEX-ADHESIVE product data sheet) is used. Normal rough, e.g. uneven wall surfaces, can be compensated for through the application of a sufficient amount of adhesive. Use sufficient adhesive so that after applying and rolling the foil the adhesive caterpillar is at least 30 mm wide and 1 mm thick. In areas that are to be plastered over, a full-surface adhesive layer should be applied. Plastering can be done as soon as the adhesive is sufficiently cured to carry the plaster.

FINISHES

single side self-adhesive with 1 self-adhesive strip
special finishes available on request

DIMENSIONS

width: 70, 90, 145, 180, 235, 290 mm

PACKAGING

rolls, roll length: 30 m