

PRODUCT DATA SHEET

ISO-CONNECT VARIO SD



PRODUCT DESCRIPTION

ISO-CONNECT VARIO SD is a humidity regulating special foil for sealing joints, which can also be used as an airtight seal internal, in accordance with the energy saving regulations (EnEV) on windows, doors and panels. Due to its special capabilities the sd-value of this universal foil adapts to the seasonal temperature gradient changes which occur within the joints from inside outwards and from outside inwards. It is a weather independent external and internal humidity transporter. The joints remain dry all year round and condensation damage can be avoided effectively, as well as providing the airtight requirements of the UK Building Regulations. ISO-CONNECT VARIO SD complies with the recommendations according to the RAL "installation guide" of the RAL quality assurance association for windows and doors.

APPLICATIONS

ISO-CONNECT VARIO SD is suitable for sealing of both internal and external window and door connecting joints. The foil can be used as an internal and at the same time an external sealant.

The fleece covered special foil is equipped with a self-adhesive strip for a quick and proficient application on window framework. The foil can also be equipped with an additional butyl adhesive strip for sealing to the wall. The ISO-CONNECT VARIO FIX version provides, with its practical mesh fixing and large self-adhesive strips, powerful surface adhesion and increased plaster adhesion.

PRODUCT ADVANTAGES

- high drying effect of joints through humidity regulating function
- acts as the internal airtight seal
- only one product for internal & external sealing levels
- eliminates mix-ups thereby avoiding application mistakes
- simplicity for the purchasing department and saves storage space
- special fleece surface suitable for plastering and pasting over
- with self-adhesive and butyl adhesive strip for single product application
- VARIO FIX provides optimal adhesion performance and easy installation even on difficult surfaces

DIMENSIONS

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

width Finish FIX: 100 and 140 mm

PACKAGING

- Finish A: rolls of 60 m
- Finishes B and C: rolls of 30 m, with varying quantity of rolls in a cardboard carton



ISO-CONNECT VARIO SD

Technical data	Standard	Classification
Material description		synthetic fleece
Colour		white
Building material class	DIN EN 13501	E
Impermeable to driving rain	DIN EN 1027	≤ 1,050 Pa
Air permeability coefficient	DIN EN 1026	$a \approx 0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^0]$
UV-stability		approx. 2 months
Compatibility with adjacent building materials	internal	requirements fulfilled
sd-value (vapour diffusion permeability)	DIN EN ISO 12572	sd-value depending on average humidity between 0.2 m (vapour permeable) and 15 m (vapour barrier)*
Temperature stability range	internal	approx. -40 °C to approx. +80 °C
Dimension tolerance	DIN 7715 T5 P3	requirements fulfilled
Handling temperature		approx. +5 °C to approx. +45 °C
Shelf life		1 year, dry and in original packing
Storage temperature		+1 °C to +20 °C

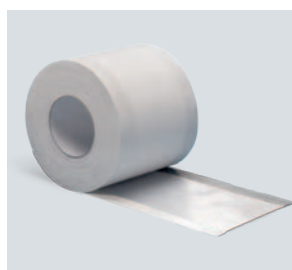
* It is only possible to determine the variable sd-value with a dynamic calculation program (e.g. as indicated in the literature [10] in DIN 41083:2001-07). For the calculation according to the static method a fixed sd-value of 2,5 m can be used.

FINISHES



FINISH A

SK single side self-adhesive with 1 self-adhesive strip



FINISH C

SK-BT Duo alternating adhesive with 1 self-adhesive strip and 1 alternating butyl adhesive strip



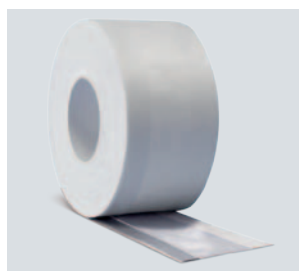
FINISH A-G

SK with mesh single-side self-adhesive with 100mm mesh



FINISH FIX

SK with mesh and double-sided self-adhesive, 2 installation strips (window mounting) and 1 special adhesive strip (wall mounting) with 10mm mesh



FINISH B

SK-BT Mono single side self-adhesive with 1 self-adhesive strip and 1 butyl adhesive strip