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 air tight 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 air tight 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.

APPLICATION

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 FIX finish provides, with its practical mesh fixing and large self-adhesive strips, powerful surface adhesion and increased plaster adhesion. Fully self-adhesive finishes COMPLETE and COMPLETE DUO do not require any additional adhesion with ISO-TOP FLEX ADHESIVE.

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

PRODUCT ADVANTAGES

· high drying effect of joints through humidity regulating function
· only one product for internal and 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
· complies with EnEV requirements and the recommendations of the RAL "installation guide"
· 10 Year Function Warranty*

DIMENSIONS

width finishes A, A-G, B, C: 70, 90, 145, 180, 235, 290 mm
width finish FIX: 100, 140 mm
width finishes COMPLETE / COMPLETE DUO: 70, 100, 140, 200, 290 mm

PACKAGING

rolls, roll length: 60 m (finish A), 30 m (finishes A-G, B, C, FIX, COMPLETE and COMPLETE DUO)

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	$\leq 1,050\,Pa$
Air permeability coefficient	DIN EN 1026	$a \approx 0\,m^3/[h \cdot m \cdot (daPa)^n]$
UV light stability		approx. 6 months
Compatibility with adjacent building materials	internal	requirements fulfiled
sd-value (vapour diffusion permeability)	DIN EN ISO 12572	sd-value depending on average humidity between 0.03 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 fulfiled
Handling temperature		finishes A, A-G, B, C: approx. +5°C to approx. +45°C finishes FIX, COMPLETE & COMPLETE DUO: approx. -10°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 FIX, COMPLTETE and COMPLETE DUO tested on frost-free surfaces (concrete blocks, cast concrete and bricks). Own tests should be done generally.

FINISHES

FINISH A
SK single side self-adhesive with 1 self-adhesive strip on the fleece side

FINISH A-G
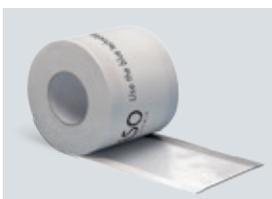SK-GT single side self-adhesive with 1 self-adhesive strip on the fleece side + 100 mm mesh

FINISH B
SK-BT Mono single side self-adhesive with 1 self-adhesive strip and 1 butyl-adhesive strip on the smooth foil side

FINISH C
SK-BT Duo alternating self-adhesive with 1 self-adhesive strip on the fleece side and 1 butyl-adhesive strip on the smooth foil side

FINISH FIX
2SK-GT double-sided self-adhesive, 2 self-adhesive strips (window mounting) on the fleece side and 1 special adhesive strip (wall mounting) on the smooth foil side + 10 mm mesh

FINISH COMPLETE
full surface adhesive finish with a 2-way or 3-way split liner

FINISH COMPLETE DUO
full surface adhesive finish with a 2-way or 3-way split liner and 1 self-adhesive strip (window mounting)