

Preliminary Product Information ZOUCHeonekt SD



ZOUCHeonekt SD is a humidity regulating special foil for sealing joints, which can also be used as an airtight seal internally, 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 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.

ZOUCHeonekt SD complies with the recommendations of the RAL quality assurance association for windows and doors.

Applications

ZOUCHeonekt 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.

Product Advantages

- high drying effect of joints through humidity regulating function
- acts as the internal airtight seal
- 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

Finishes

- A: ZOUCHeonekt SD with self-adhesive
- B: ZOUCHeonekt SD with single-sided SK + butyl adhesive strip
- C: ZOUCHeonekt SD with alternating SK + butyl adhesive strip

Dimensions

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

Packaging

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

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Properties	Standard:	Classification:
Material description:		synthetic fleece
Colour:		white
Building material class:	DIN EN 13501	E
Impermeable to driving rain:	DIN EN 1027	≤ 1050 Pa
Air permeability coefficient:	DIN EN 1026	$a \approx 0\text{m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$
sd value:	DIN EN ISO 12572	sd-value depending on average humidity between 0.2m (vapour permeable) and 5m (vapour barrier)*
UV stability:		approx. 2 months
Compatibility with adj. building materials:	DIN 52452	requirements fulfilled
Temperature stability range:	internal	approx. -40°C to +80°C
Dimension tolerance:	DIN 7715 T5 P3	requirements fulfilled
Handling temperature:		approx. +5°C to +45°C
Shelf-life:		1 yr, dry and in original packaging
Storage temperature:		+1°C to +20°C

* It is only possible to determine the variable sd-value with a dynamic calculation (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.

Installation

The bonding surfaces must be firm, free from dust, stripping agents, oil and grease. When sealing windows, panels and door frames remove the backing from the self-adhesive strip, apply the foil and press firmly. ZOUCHekonekt SD allows for pre-application in the factory.

For thermal insulation we recommend ZOUCHeexpandaf foam BG1 and BG2 pre-compressed joint sealing tape. Normal irregularities, e.g. due to rough stone surfaces, can be easily overcome with the appropriate application of adhesive. Use sufficient adhesive so that after pressing the foil in to place a strip of at least 30 mm wide and 1 mm thick remains.



On areas which are to be plastered over, a full surface bonding strip should be applied. Overlapping should only be up to 50mm using the same technique. Plastering can be done as soon as the adhesive adherence is enough to carry the plaster.

Versions A & C: if applying the foil to the edge of the frame in one piece, form loops at the frame corners, equal to twice the gap size, to ensure the foil fits into the rebate corners properly.

Version B: ensure the foil forms a tight 90° bend between face of frame and rebate wall. To allow for any potential movement ensure that tape is pushed back sufficiently into the gap. This should ensure a good plaster finish without damage if movement occurs.

Additional Products

ZOUCHeexpandaf foam BG1 & BG2: impregnated and pre-compressed PUR-sealing tape for reliable window sealant against driving rain.

Special Information

All data and technical information presented are based on laboratory tests or have been compiled from supplier information to the best of our knowledge. A guarantee that the values are complete and correct can however not be given. You are kindly requested to conduct your own tests to determine the suitability of our product for your applications. Our General Conditions answer any questions on guarantees and liabilities for these products insofar as no other legal regulations apply.