ISOWINDOW WZS Soft Cell Foam

is a 1-component moisture-curing foam with a blowing agent free from CFCs, HFCs and HCFCs. ISOWINDOW Soft Cell Foam is a quick and reliable seal and insulation used to make construction joints with high movement capability airtight, resistant to rain and permeable. It bonds well on all conventional construction materials such as concrete, brickwork, wood, metal, plastic, rigid PVC, PE, etc. ISOWINDOW WZS Soft Cell Foam is resistant to heat, water and numerous chemicals.

FIELD OF APPLICATION

- for gaps between building components with high movement absorption

ADVANTAGES

- free from CFCs, HFCs and HCFCs
- sound and heat insulation
- absorbs 300 times more movement than normal PU-foam
- easily cut
- safety valve
- airtight and resistant to driving rain

AVAILABLE IN THE FOLLOWING DIMENSIONS

Can content	750 ml
Carton content / cans	12

PRODUCT DATA

Composition	1-component PU-foam
Working temperature	+ 5 °C - + 30 °C
Temperature resistance	- 40 °C - + 80 °C
Sound proofing	10 mm: 60 dB 20 mm: 59 dB
Thermal conductivity	0,035 W/mK
Tensile strength	6,5 N/cm²
Elongation at tear	25 - 28 %
Shear strength	3,4 N/mm²
Raw density (free-foamed)	13 - 15 kg/m³
Tack-free after	7 - 11 min.
Can be cut after (20mm strip)	10 - 14 min.
Fully loadable after (20mm strip)	24 hours
Fire class to EN 13501-1	E
Storage	15 months; cool and dry, upright, frost-free

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GUIDELINES FOR THE APPLICATION OF ISOWINDOW WZS Soft Cell Foam

Necessary components:
- ISOWINDOW WZS Soft Cell Foam
- spray gun
- spray with clear water
- sharp, clean replaceable-blade knife (Stanley knife)

PREPARATORY WORK

The window frame must be levelled and firmly attached to the masonry or built-in frame (shimming and screwing). Masonry surfaces must be smooth. The gap surfaces must be free from coarse dirt, release agents, grease and dust. All debris must be removed.
Gaps and cavities above 30mm must be filled in layers and moistened between. Working temperate should be between +5°C and +30°C. Optimum working temperature is +20°C.

(1)
Place the spray gun on the ISOWINDOW WZS Soft Cell Foam can.

(2)
Moisten the connection gap sufficiently using clear water. Attention! If the water sprayed is contaminated with detergent the foam may collapse! Ensure that at the time of foaming out the gap there are no drops of water remaining on the substrate.

(3)
Shake the can well before foaming (approx. 20 times)

(4)
Apply ISOWINDOW WZS Soft Cell Foam evenly from bottom to top in the connection gap to be sealed.

(5)
Ensure that the gap is not completely filled with foam as the foam will expand by approx. 100%.

(6)
A fine film of clear water should be applied approx. 60 seconds after application of the ISOWINDOW WZS Soft Cell Foam into the gap. This guarantees uniform hardening of the ISOWINDOW WZS Soft Cell Foam. If necessary this can be repeated several times (if the outside temperature is high or the substrates very absorbent, etc….)

(7)
After approx. 40- 60 minutes, depending on the ambient temperature, the excess material can be cut with a sharp, clean Stanley knife. After approx. 12 hours the ISOWINDOW WZS Soft Cell Foam is completely hard.

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