Soudaseal SWI

Technical data

Basis	MS Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 5 min
Curing speed * (23°C/50% R.H.)	3 mm/24h
Hardness**	50 ± 5 Shore A
Density	1,47 g/ml
Elastic recovery (ISO 7389)**	> 75 %
Maximum allowed distortion	± 20 %
Max. tension (ISO 37)**	3,00 N/mm²
Elasticity modulus 100% (ISO 37)**	1,60 N/mm²
Elongation at break (ISO 37)**	500 %
Consumption (*)	Approx. 7 m per foilbag of 600 ml (single bead with triangle nozzle)
Initial tack	Minimum 125 kg/m²
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Soudaseal SWI is a high quality, neutral, elastic, 1-component adhesive sealant based on MS-Polymer with a very high initial tack. Soudaseal SWI has been specially developed for bonding as well as for air and driving rain tight sealing of the SoudaFrame SWI in of front wall system.

Properties

- Characteristic load-bearing capacity of the adhesive bond (wind load): FRK = 4.71 kN
- High initial tack
- Excellent adhesion to SoudaFrame SWI frame elements
- Fast curing
- Good extrudability
- high shear strength after full cure (no primer)
- Good weather and UV resistance.
- Stays elastic after curing and very durable
- No odour.
- Can be painted with water based systems
- Does not contain isocyanates and no silicones
- Good adhesion on slightly moist substrates

Applications

- Bonding and installing as well as air- and driving rain tight sealing of SoudaFrame SWI onto most common building substrates.
- Sealing of the corners of SoudaFrame SWI on the inside of the assembled subframe (before installation of the window).

Packaging

Colour: grey
Packaging: 600 ml foil bag

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Chemical resistance

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis. Poor resistance to aromatic solvents,

concentrated acids and chlorinated hydrocarbons.

Substrates
Substrates: Various porous and non-porous surfaces such as wood, concrete, stone and other materials commonly used in construction.
Nature: rigid, clean, dry or slightly moist, free of dust and grease.
Surface preparation: The load-bearing wall requires no pretreatment. Porous surfaces in water loaded applications should be primed with Primer 150. A preliminary adhesion test on every surface is recommended.
SoudaFrame SWI should preferably first be cleaned with Soudal Surface Cleaner.
Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass.

Joint dimensions
The optimal bond thickness for this product is at least 2 mm for the elastic properties to come to full justice.

Application method
Application method: With a manual, pneumatic or accu caulking gun. Apply, 2 uninterrupted beads of Soudaseal SWI approx. 1 cm from each edge with a triangular nozzle. Do this over the entire circumference of the SoudaFrame SWI support frame. Apply an extra bead over the connection seams of the corners and where the frame has been extended.
Cleaning: Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing).
Finishing: With a soapy solution or Soudal Finishing Solution before skinning.
Repair: With the same material.

Health- and Safety Recommendations
Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.

Remarks
- Soudaseal SWI may be overpainted with water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin based paints may increase.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Do not use in applications where continuous water immersion is possible.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.

Environmental clauses
Leed regulation:
Soudaseal SWI conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability
The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.