

## Soudaseal FR

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### Technical data

Basis	SMX polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 10 min
Curing speed * (20°C / 65% R.H.)	Ca. 2 mm/24h
Density	1,57 g/ml
Elastic recovery (ISO 7389)	> 70 %
Maximum allowed distortion	± 25 %
Temperature resistance	-40 °C → 90 °C
Max. tension (DIN 53504)	0,82 N/mm <sup>2</sup>
Elasticity modulus 100% (DIN 53504)	0,33 N/mm <sup>2</sup>
Elongation at break (DIN 53504)	430 %
Application temperature	1 °C → 30 °C

(\*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

### Product description

Soudaseal FR is a high quality, neutral, 1-component joint and adhesive sealant based on SMX-Polymer. Cures under influence of humidity to form an elastic sealant. Used in applications with fire retardant properties.

### Properties

- Does not contain isocyanates, solvents or halogens
- Outstanding bond strength on nearly all surfaces, even on slightly wet surfaces
- Very good mechanical characteristics
- Easy to use and apply, also under difficult circumstances.
- High level of fire retardation
- Colourfast and UV resistant
- Paintable
- No bubble formation within sealant (in high temperature and humidity applications)

### Applications

- Sealing of fire retardant joints in walls and ceiling.
- Fire-resistant sealing of connection joints.
- Fire-resistant joints with movements up to 10%
- Fire-resistant expansion joints.

- Fire retardant expansion and connection joints in the construction industry.
- All usual construction and glazing joints.

### Packaging

*Colour:* grey, white

*Packaging:* 310 ml cartridge, 600 ml sausage, other packaging on request

### 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 water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

### Substrates

*Substrates:* all usual building substrates, treated wood, PVC, plastics

*Nature:* clean, dry, free of dust and grease.

*Surface preparation:* Porous surfaces in water loaded applications should be primed with Primer 150. All smooth surfaces can be treated with Surface Activator.

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions beyond our control, no liability under this publication are accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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### Joint dimensions

*Min. width for bonding:* 2 mm

*Min. width for joints:* 5 mm

*Max. width for bonding:* 10 mm

*Max. width for joints:* 30 mm

*Min. depth for joints:* 5 mm

Recommendation sealing jobs: joint width = 2  
x joint depth.

### Application method

*Application method:* Apply with standard  
sealing gun, preferably heavy duty.

*Cleaning:* Clean with white spirit or Surface  
Cleaner immediately after use.

*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 FR 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.
- Soudaseal FR can not be used as a  
glazing sealant.
- Because of the diversity we recommend to  
do adhesion tests on aluminum lackers,  
textured coating and PVC before  
application.

### Standards

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