

Zinc Fix

Revision: 5/12/2020

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Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 10 min
Curing speed * (23°C/50% R.H.)	2 mm/24h → 3 mm/24h
Hardness**	45 ± 5 Shore A
Density**	1,67 g/ml
Elastic recovery (ISO 7389)**	> 75 %
Maximum allowed distortion (ISO 11600)	± 20 %
Max. tension (ISO 37)**	1,80 N/mm ²
Elasticity modulus 100% (ISO 37)**	0,75 N/mm ²
Elongation at break (ISO 37)**	750 %
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

Zinc Fix is a high quality, neutral, elastic, 1-component construction joint and adhesive sealant based on SMX Hybrid Polymer. Zinc Fix is used for the adhesion of zinc on zinc and zinc on other building materials. Also excellent for sealing in roof applications.

Properties

- Good extrudability
- Stays elastic after curing and very durable
- Excellent adhesion on nearly all surfaces, even if slightly moist.
- Can be painted with water based systems
- No odour.
- Does not contain solvents, isocyanates, acids, halogens and toxic components, completely neutral.
- Colourfast.
- Good weather and UV resistance
- Zinc colour

Applications

- Zinc on zinc bonding.
- Sealing at zinc constructions.
- Connection and expansion joints at roof works.

Packaging

Colour: zinc grey

Packaging: 290 ml cartridge

Shelf life

15 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: zinc, all usual building substrates, natural stone, treated wood, PVC, plastics, ...

Nature: rigid, 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 Soudal Surface Activator.

We recommend a preliminary adhesion test on every surface. Not suitable for PE, PP, PTFE (eg. Teflon®) and bituminous substrates.

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 are beyond our control, no liability under this publication is 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.

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.

Application method*Application method:* With manual- or pneumatic caulking gun.*Cleaning:* Clean with Soudal Surface Cleaner or with Soudal Swipex, 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 for more information.

Remarks

- Zinc Fix 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.
- Zinc Fix can not be used as a glazing sealant.
- Zinc Fix can be used for bonding of and sealing on natural stone.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Environmental clauses*Lead regulation:*

Zinc Fix 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.

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