

Fix ALL X-Treme Power

Revision: 13/05/2015

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Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 4 min
Curing speed * (20°C / 65% R.H.)	Ca. 2 mm/24h
Hardness	Ca. 55 ± 5 Shore A
Density	1,46 g/ml
Maximum allowed distortion	± 20 %
Temperature resistance	-40 °C → 90 °C
Max. tension (DIN 53504)	2,10 N/mm ²
Elasticity modulus 100% (DIN 53504)	1,80 N/mm ²
Application temperature	5 °C → 35 °C

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

Product description

Fix ALL X-Treme Power is a high quality, neutral, elastic, 1-component adhesive sealant based on SMX-Polymer with an extremely high initial tack of min. 400 kg/m².

Properties

- Extreme high initial tack of min. 400 kg/m²
- Fast curing
- Good workability with included triangular shaped nozzle.
- high shear strength after full cure (no primer)
- Stays elastic after curing and very sustainable
- No odour
- Free of isocyanates, solvents, halogens and acids
- Good colour stability, weather and UV resistance
- Excellent adhesion on nearly all surfaces, even if slightly moist.

Applications

- Bonding in building and metal industry.
- Elastic bonding of objects, panels, profiles and other pieces on the most common substrates.
- For bonded facade panels we refer to the Soudal Panel System.

- Elastic structural bonding in automotive applications: buses, trains, trucks, caravans, ship-building, ...

Packaging

Colour: white

Packaging: 290 ml cartridge

Shelf life

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

Chemical resistance

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

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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Substrates

Substrates: all usual substrates for bonding, treated wood, PVC, ...

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.

Fix ALL X-Treme Power has excellent adhesion on most substrates. Fix ALL X-Treme Power is has been tested on following metal surfaces: stainless steel, AlMgSi1, brass, electro-galvanized steel, AlCuMg1, hot dip galvanized steel, AlMg3, steel ST1403. Fix ALL X-Treme Power also has a good adhesion on plastics: polystyrene, PVC, polyamide, fiberglass reinforced epoxy, polyester. While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. For optimum adhesion the use of Surface Activator is recommended. NOTICE: bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Fix ALL X-Treme Power is not recommended in these applications. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary compatibility test.

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: Apply the adhesive with a caulking gun onto one surface in beads or dabs (every 15 cm). Always apply adhesive to the edges and corners of panels. Press the surfaces together and batten down with a rubber hammer. Support of the bonded materials may be required. The bond can be fully loaded after 24-48 hours.

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 for more information.

Remarks

- Fix ALL X-Treme Power is paintable with most waterbased 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.
- Fix ALL X-Treme Power can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc, may differ from manufacturer to manufacturer, we recommend preliminary compatibility test.
- Fix ALL X-Treme Power can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Fix ALL X-Treme Power can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface. Fix ALL X-Treme Power can therefore only be used on the bottom of natural stone tiles.
- When applying, make sure not to spill any sealant on the surface of materials.

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Environmental clauses

Leed regulation:

Fix ALL X-Treme Power 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. She 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.

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