

# T-Rex Power Fast Grab

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## Technical data

Basis	SMX <sup>®</sup> Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 5 min
Curing speed * (20°C / 65% 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 (DIN 53504)	3,20 N/mm <sup>2</sup>
Elasticity modulus 100% (DIN 53504)	1,60 N/mm <sup>2</sup>
Elongation at break (DIN 53504)	500 %
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.

## Product description

T-Rex Power Fast Grab is a high quality, neutral, elastic, 1-component adhesive sealant based on SMX<sup>®</sup> Polymer with a very high initial tack. T-Rex Power Fast Grab is a high strength sealant / adhesive that can hold 320kg's per 10cm<sup>2</sup> with a 1 Second immediate grab

## Properties

- Fast grab reducing the need for initial support.
- Fast curing
- Good extrudability
- High shear strength after full cure (no primer)
- Stays elastic after curing and very sustainable
- No odour
- Can be painted with water based systems
- Good weather and UV resistance
- Does not contain isocyanates and no silicones
- Good adhesion on slightly moist substrates

## Applications

- Sealing and bonding in the building and construction industry.
- Elastic bonding of panels, profiles and other pieces on the most common substrates (wood, MDF, chipboard, etc).
- Elastic structural bonding in car and container industry.

## Packaging

*Colour:* bright white, jet black, steel grey, beach sand, quick silver

*Packaging:* 290ml cartridge / 600ml Sausage (bright white only)

## 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.

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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PTFE (Teflon®) and bituminous substrates.

**Substrates:** Timber, tiles, brick, concrete, most plastics including PVC, Perspex (acrylic), polycarbonate (not PE & PP), fibreglass, insulation materials, polystyrene, metal including steel, galvanised steel/iron, aluminium including composite panel, brass, copper, plasterboard, cement sheeting, stone, most rubber (pre-test), cork, glass and mirrors, most coatings (pre-test).

**Test is best – substrates can vary from manufacturer, we recommend prior compatibility testing.**

**Surface preparation:** surfaces must be clean, dry, free of dust and grease. Porous surfaces in water loaded applications should be primed with Primer 150. Non-porous surfaces require cleaning prior with Soudal Cleaner & Degreaser and for critical applications treated with Soudal Surface Activator.

T-Rex Power Fast Grab has been tested on following metal surfaces: AlCuMg1, AlMg3, AlMgSi1, stainless steel, electro-galvanized steel, brass, steel ST1403, hot dip galvanized steel. T-Rex Power Fast Grab also has a good adhesion on plastics: polystyrene, polycarbonate (Makrolon®), 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 and for critical applications the use of Surface Activator is recommended. We recommend a preliminary adhesion test on every surface.

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 T-Rex Power Fast Grab is not recommended in these applications. There is no adhesion on PE, PP,

### Joint dimensions

*Min. width for bonding:* 2 mm

*Max. width for bonding:* 10 mm

*Min. width for joints:* 5 mm

*Max. width for joints:* 30 mm

*Min. depth for joints:* 5 mm

### Application method

- For more detailed info, refer to the current Technical Data Sheet on our website prior to use.
- Surfaces must be dry, clean, free from dust, grease / contaminants.
- Apply at temperatures between +5°C to +35°C.
- Ensure correct joint dimension and preparation, consult the technical bulletin "[Joint Preparation & Joint Dimensions](#)" on our website.
- **For Bonding:** Apply in beads onto one of the surfaces and press together firmly. Leave to cure, full end strength is reached within 24 hours.
- **For Sealing:** Apply into the joint then smoothen with Soudal Joint Finish before skin formation. Minimum depth for joints: 5mm.
- Clean up: Uncured with Soudal Swipex, Cleaner & Degreaser, white spirits. Cured with Sealant Remover.
- Store in cool and dry place between +5°C and +25°C

**Health- and Safety Recommendations** Take the usual labour hygiene into account. Consult label for more information.

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### Remarks

- T-Rex Power Fast Grab 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.
- T-Rex Power Fast Grab 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.
- 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.
- T-Rex Power Fast Grab cannot be

used as a glazing sealant.

- Not suitable for bonding aquariums.
- T-Rex Power Fast Grab can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface. T-Rex Power Fast Grab 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.
- A total absence of UV can cause a color change of the sealant.

### Environmental clauses

#### *Leed regulation:*

T-Rex Power Fast Grab 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.

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