

T-Rex Power Fast Grab - White, Black, Grey

Revision: 14/09/2018

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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.)	Ca. 2 mm/24h
Hardness**	65 ± 5 Shore A
Density**	1,47 g/ml
Maximum allowed distortion	± 20 %
Max. tension (ISO 37)**	3,20 N/mm ²
Elasticity modulus 100% (ISO 37)**	2,10 N/mm ²
Elongation at break (ISO 37)**	300 %
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

T-Rex Power Fast Grab is a high quality, neutral, elastic, 1-component adhesive sealant based on MS-Polymer with a very high initial tack.

Properties

- High initial tack 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: white, black, grey, silver grey, sandstone, other colors on request

Packaging: 290 ml cartridge, 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 (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

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Substrates

Substrates: all usual building substrates, 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. Prepare non-porous surfaces with Soudal primer or cleaner (see Technical Data Sheet).

T-Rex Power Fast Grab is has been tested on following metal surfaces: AlCuMg1, AlMg3, AlMgSi1, stainless steel, electro-galvanized steel, 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 or sealing. For optimum adhesion 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. Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

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 manual- or pneumatic caulking gun.

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.

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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 can not be used as a glazing sealant.
- 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 that the surface of the materials is not smudged with sealant.
- A total absence of UV can cause a color change of the sealant.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Not suitable for bonding aquariums.
- 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*Lead 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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T-Rex Power Fast Grab - Clear

Revision: 9/01/2018

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Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable gel
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 10 min
Curing speed* (20°C / 65% R.H.)	3 mm/24h
Hardness	55 ± 5 Shore A
Density	1,08 g/mL
Maximum allowed distortion	± 20 %
Temperature resistance	-40 °C → +90 °C
Max. tension (DIN 53504)	3,50 N/mm ²
Elasticity modulus 100% (DIN 53504)	1,90 N/mm ²
Elongation at break (DIN 53504)	250 %
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 Clear is a high quality, neutral, elastic 1-component adhesive based on SMX® Polymer Technology with a very high initial tack.

Properties

- High initial tack 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
- Does not contain isocyanates and no silicones
- Solventfree
- Good adhesion on slightly moist substrates

Applications

- Transparent and elastic bonding in construction and building applications.
- Elastic bonding of panels, profiles and other pieces on the most common substrates (wood, MDF, chipboard, etc).

Packaging and Colour:

Colour: transparent

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

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

Substrates

Substrates: all usual building substrates, treated wood, metals, 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 Soudal Surface Activator.

We recommend a preliminary adhesion test on every surface.

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Application method

- For more detailed info, refer to the current Technical Data Sheet on our website prior to use.
- Surface must be dry, clean, free from dust, grease / contaminants.
- Apply at temperatures between +5°C to +35°C.
- Apply in beads onto one of the surfaces and press together firmly. Leave to cure, full end strength is reached within 24 hours.
- Clean up: Uncured with Soudal Swipex, Cleaner & Degreaser, white spirits. When cured removed with Sealant Remover.
- Store in cool and dry place between +5°C and +25°C

Remarks

- T-Rex Power Fast Grab Clear may be painted, 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 Clear can be painted wet on wet with 2 pack paint. When cured, a plastic primer is recommended before painting with 2 pack paint.
- Due to the wide variety of possible substrates, Soudal recommends a preliminary compatibility tests.
- This product cannot be used as a glazing sealant.
- Not suitable for bonding aquariums.
- A total absence of UV can cause a colour change of the sealant.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label for more information.

Environmental clauses

Leed regulation:

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