PRODUCT NAME	T-Rex Rapid Fast Cure

PRODUCT DESCRIPTION

T-Rex Rapid is an ultra-fast strength-building adhesive and sealant that is ideal for applications where fast strength build up and bonding is required.

Based on SMX® Hybrid Polymer, T-Rex Rapid develops a strong bond within 20minutes on porous surfaces and fully sets within 3 hours.



PROPERTIES

- Very fast build-up of strength with thin adhesive layer and on porous substrates.
- Very high final strength
- Good extrudability
- Good adhesion to most common substrates, even on damp substrates
- Permanently elastic after curing
- Can be painted with water-based systems
- Good weather and UV resistance

APPLICATIONS

- Elastic bonding in construction and building applications.
- All common bonding and sealing for indoor and outdoor applications

TECHNICAL DATA

Base	SMX® Hybrid Polymer	**Application temperature**	5°C to 35°C
Consistency	Stable Paste	**Maximum tension**, ISO 11600**	Ca. 3.80N/mm^2 (MPa)
Curing system	Moisture Curing	**Elastic Modulus**, ISO 37**	Ca. 3.00N/mm^2 (MPa)
Skin formation*, (23°C/50% RH)	Ca. 5min	**Elongation at break****	300 %
Curing speed*, (23°C/50% RH)	Ca. 2-3mm/24hr	**Maximum allowed distortion, ISO 11600**	± 20 %
Density	Ca. 1.47g/mL	**Elastic Recovery**, ISO 7389**	> 75 %
Hardness, Shore A**	Ca. 65 ± 5	**Temperature resistance**	-40°C to 90°C
Hand tight	After 20mins (pressed firmly)		

Footnote: **Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.*

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*** Refers to fully cured product*

SUBSTRATES
Substrate condition
Rigid, clean, dry, free of dust and grease
Substrate preparation
T-Rex Rapid can be applied primerless but for optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high- or water- loaded joints, we recommend following a pretreatment procedure. • Prepare non-porous surfaces with a Soudal Surface Activator. • Prepare porous surfaces with Soudal Primer 150.
Substrate types
T-Rex Rapid Fast Cure has a good adhesion to most commonly used substrates. Not suitable for PE, PP, PTFE (eg. Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass Due to the wide variety materials used, we recommend a preliminary adhesion and compatibility test on every surface.

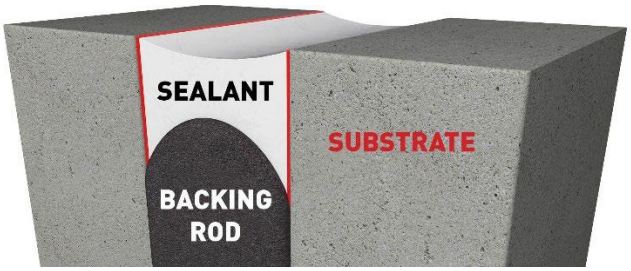
APPLICATION	
Application method	**Cleaning method**
Apply the product with caulking gun. Smoothen the joint with a spatula with the help of Soudal Finishing Solution. Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss).	Clean with Soudal Cleaner & Degreaser or Soudal Swipex, immediately after use. Cured T-Rex Rapid can only be removed mechanically.
Finishing method	**Repair method**
Finish by using a soapy solution or Soudal Finishing Solution to tool before skinning.	Cut out damaged area and replace with the same material.

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JOINT DIMENSIONS

	Joint Width	Joint Depth
Minimum	5mm	5mm
Maximum	30mm	15mm

Recommendation for sealing, Width <10mm: Width = Depth.
Width >10mm: Width = ½ Depth



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.

HEALTH AND SAFETY RECOMMENDATIONS

Practice standard industrial hygiene. Refer to SDS or packaging label for more information.

PACKAGING / LOGISTICS

Cartridge: 300mL

ENVIRONMENTAL CLAUSES

Leed regulation: T-Rex Rapid Fast Cure 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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REMARKS

- T-Rex Rapid Fast Cure 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 Rapid Fast Cure can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, may differ from manufacturer to manufacturer, we recommend preliminary compatibility test.
- While producing plastics, releasing agents, processing aids and other protective agents (like protection foil) are often used. These should be removed prior to bonding. For optimum adhesion the use of Surface Activator is recommended.
- T-Rex Rapid Fast Cure cannot be used as a glazing sealant.
- T-Rex Rapid Fast Cure can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface. T-RexRapid Fast Cure can therefore only be used on the bottom of natural stone tiles.
- A total absence of UV can cause a colour 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, Silirub AQ is recommended instead.
- Not suitable for polycarbonates, Silirub PC is recommended instead.
- Do not use in applications where continuous water immersion is possible.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in colour 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.

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

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. It is general in nature and does not constitute any liability. 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. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.

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