

T-Rex X-Treme Express

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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. 4 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	Ca. 75 ± 5 Shore A
Density**	Ca. 1,48 g/ml
Maximum allowed distortion (ISO 11600)	± 20 %
Max. tension (ISO 37)**	Ca. 3,60 N/mm ²
Elasticity modulus 100% (ISO 37)**	Ca. 2,90 N/mm ²
Elongation at break (ISO 37)**	Ca. 200 %
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 X-Treme Express 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 and a very fast strength build-up.

Properties

- Extreme high initial tack of min. 400 kg/m²
- Quickly manipulable and very fast build-up of strength with thin adhesive layer and on porous substrates.
- Fast curing
- Good workability with included triangular shaped nozzle.
- Stays elastic after curing and very durable
- No odour
- Good weather and UV resistance
- Excellent adhesion on nearly all surfaces, even if slightly moist.
- paintable with waterbased paints.
- No staining on porous surfaces such as marble, granite and other natural stones

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.

Packaging

Colour: white

Packaging: 280 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

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

Substrates

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

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 a Soudal activator or cleaner (see Technical Data Sheet).

T-Rex X-Treme Express has excellent

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adhesion on most substrates. T-Rex X-Treme Express is has been tested on following metal surfaces: stainless steel, AlMgSi1, electro-galvanized steel, AlCuMg1, hot dip galvanized steel, AlMg3, steel ST1403. T-Rex X-Treme Express 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 or sealing. 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 T-Rex X-Treme Express 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.

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 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.

Remarks

- T-Rex X-Treme Express 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.
- T-Rex X-Treme Express 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.
- T-Rex X-Treme Express can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Not suitable for sanitary applications.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- T-Rex X-Treme Express has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- 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.

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Environmental clauses

Leed regulation:

T-Rex X-Treme Express 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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