SOUDAL

Technical Data Sheet

T-Rex Power High Tack

Technical Data:

Base	SMX Hybrid Polymer	
Consistency	Stable paste	
Curing system	Moisture curing	
Skin formation*	5 min	@ 75ºF (24°C) & 50% relative humidity
Curing speed *	3 mm/24h	@ 75ºF (24°C)& 50% relative humidity
Hardness**	65 ± 5 Shore A	ASTM C 661
Density	1.47 g/mL	
Elastic recovery**	> 75 %	ISO 37
Maximum allowed distortion	± 25 %	ASTM C 719
Tensile Strength	464 psi	ASTM D 412
Modulus	334 psi	ASTM D 412
Elongation	400 %	ASTM D 412
Temperature resistance**	-40°F (-40°C) → 194°F (90°C)	
Application temperature	41°F (5°C) → 95°F (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 High Tack is a high quality, neutral, elastic, 1-component adhesive sealant based on SMX-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 durable
- Impervious to mould
- No odor.
- 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.
- Joints in bathrooms and kitchens.

Packaging:
Color: white
Packaging: 9.8 fl oz. (290 mL) cartridge

Shelf Life:
15 months in unopened packaging in a cool and dry storage place at temperatures between 41°F (5°C) and 77°F (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.

Substrates
Substrates: all usual building substrates, treated wood, metals, PVC, plastics
Nature: rigid, clean, dry or slightly moist, 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). Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or coppercontaining materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

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T-Rex Power High Tack

Joint dimensions
Min. width for bonding: 5/64” (2 mm)
Min. width for joints: 3/16” (5 mm)
Max. width for bonding: 3/8” (10 mm)
Max. width for joints: 1 3/8” (30 mm)
Min. depth for joints: 3/16” (5 mm)
Recommendation sealing jobs: joint width = 2 x joint depth.

Application method
Application method: With manual- or pneumatic caulking gun.
Cleaning: Clean with Soudal Swipex immediately after use
Finishing: With a soapy solution before skinning.
Repair: With the same material.

Health- and Safety Recommendations
Take the usual labor hygiene into account. Consult label and material safety data sheet for more information. Dangerous. Respect the precautions for use.

Remarks
- T-Rex Power High Tack 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 High Tack 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 compatibilty 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 High Tack can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- T-Rex Power High Tack can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface.
- When applying, make sure that the surface of the materials is not smudged with sealant.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainigs will stimulate the development of fungi.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- T-Rex Power High Tack 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.
- Do not use in applications where continuous water immersion is possible.

Standards and certificates
ASTM C 920, Type S, Grade NS, Class 25, Use T, NT, M, A, G* and O**, Federal Specification TTS 00230C, Type II, Class A, USDA approved

Environmental clauses
Leed regulation:
T-Rex Power High Tack 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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