

T-FIT[®] Process

Recommended Sealant

T-FIT[®]

INSULATION

Fit to perform. **Fit** to last

Silirub HT⁰-N

Silirub HT⁰-N is an elastic, single component engineering sealant based on silicone which withstands very high temperatures.



Technical data	
Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23 C/50% R.H.)	Ca. 5 min
Curing speed * (23 C/50% R.H.)	2 mm/24h
Hardness**	40 ± 5 Shore A
Density	Ca. 1,18 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion	± 15 %
Max. tension (ISO 37)**	3,00 N/mm ²
Elasticity modulus 100% (ISO 37)**	1,10 N/mm ²
Elongation at break (ISO 37)**	> 300 %
Temperature resistance**	-50 °C → 280 °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.

Properties

- Permanently elastic after curing
- Neutral curing, high modulus
- High adhesion force
- Temperature resistance up to 280 °C

Applications

- Sealing of heating installations
- Sealing in pumps and engines
- All sealing applications that require
- high temperature resistance

Packaging

Colour: black, red. Packaging: 310 ml cartridge

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5 °C and +25 °C

Substrates

Substrates: all usual building substrates, all metals
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). There is no adhesion on PE, PP, PTFE (Teflon) and bituminous substrates. We recommend a preliminary adhesion and compatibility test on every surface.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth

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 for more information.

Remarks

- Do not use on natural stones like marble, granite,... (staining). Use Soudal Silirub MA or Silirub+ S8800 for this application.
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
- When finished with a finishing solution or soapy solution, make sure that the surfaces are not touched by this solution. This will cause the sealant not to adhere to that surface. Therefore we recommend to only dip the finishing tool in this solution.
- We strongly recommend not to apply the product in full sunlight as it will dry very fast.
- Do not use in applications where continuous water immersion is possible.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Environmental clauses

Leed regulation:

Silirub HT -N 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.

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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ISO 9001:2015



Safety
OHS 52538
ISO 45001: 2018



Environment
EMS 36270
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Zotefoam plc

675 Mitcham Road
Croydon
Surrey
CR9 3AL
United Kingdom

Tel: +44 (0) 20 8664 1600
Email: t-fitsales@zotefoams.com

Zotefoams T-FIT Material Technology (Kunshan) Co., Ltd

181 Huanlou Road
Development Zone,
Kunshan City,
Jiangsu Pr.
China 215333

Tel: +86 (0)512 5012 6001-8001
Email: t-fitchina@zotefoams.com

T-FIT Insulation Solutions India Private Limited

810 Shapath V, S.G. Highway
Ahmedabad
Gujarat
380015

Tel: +91 (0) 7433946464
Email: t-fitindia@zotefoams.com

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