

Silirub HT° - N

Description

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

Properties

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

Application

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



Technical data

Base	Polysiloxane	
Consistency	Stable paste	
Curing system	Moisture curing	
Specific Gravity (g/ml)	1.17	
Skin formation (minutes)	ca. 10	
Curing speed (mm/24h)	ca. 2	
Hardness (Shore A, Points)	40 ± 5	
Maximum Tension (N/mm ²)	ISO 37	ca. 3.40
Elongation at Break (%)	ISO 37	> 600
Elastic recovery	ISO 7389	> 80
Elasticity Modulus 100% (N/mm ²)	ISO 37	0.70
Temperature Resistance (°C)	-50 to +280	
Application Temperature (°C)	+5 to +35	

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

Substrates

- Substrate condition
The surface must be rigid, clean, dry, free of dust and grease.
- Substrate preparation
Porous surfaces should be primed with Primer 150. If needed non-porous surfaces can be prepared with a Soudal Activator or cleaner.
- Substrate types
Silirub HT° - N has a good adhesion to all usual building substrates including metals.
Silirub HT° - N is not suitable for PE, PP, PTFE (Teflon®), and bituminous substrates.
We recommend a preliminary adhesion and compatibility test prior.

Silirub HT° - N

Application method

- Application method
Apply the product with a manual, pneumatic or a battery-operated caulking gun.
- Cleaning method
Swiftly clean with white spirit or Soudal Surface Cleaner after usage to Prevent residue accumulation & maintain equipment efficacy.
- Finishing method
Finish with a soapy solution or Finishing Solution before skinning.
- Repair method
Repair with the same material.

Health and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Keep the area well-ventilated during use and curing of the product.
Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: Red, Black
Packaging: 300ml Cartridge
Shelf life: 12 months from the date of production. The product must be stored in its original, undamaged, and sealed packaging under dry conditions, protected from direct sunlight, and at temperatures between +5°C and +25°C.

Packaging/Logistics

Minimum width for joints: 5 mm
Maximum width for joints: 30 mm
Minimum depth for joints: 5 mm

Recommendation for sealing jobs: joint width = 2 x joint depth

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.

Remarks

- Do not use on natural stones like marble, granite because of staining, for those applications Soudaseal 212 CS is recommended.
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
- When finishing with a finishing- 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 only dipping the finishing tool in this solution.
- We strongly recommend not to apply the Finishing Solution in full sunlight as it will dry very fast in these circumstances.
- Not suitable for bonding aquariums.
- 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.

This technical data sheet supersedes all earlier versions. The information provided is based on our tests and practical experience and is supplied in good faith as general guidance only, without creating any liability. Since materials, substrates, application design, and processing conditions vary widely and are outside our control, we cannot accept responsibility for the results obtained from use of this information. The user must verify suitability for the intended application through their own testing, and preliminary trials are recommended in all cases. The manufacturer reserves the right to change product specifications without prior notice.