SOUDAL

Technical datasheet

# Silirub HT°- A

## Description

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


## Properties

- Permanently elastic after curing
- Temperature resistance up to 285°C
- Excellent adhesion on metals, glass and glazed substrates
- Typical acetic smell

## 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) | | 1.05 |
| Skin formation (minutes) | | ca. 10 |
| Curing speed (mm/24h) | | ca. 2 |
| Hardness (Shore A, Points) | | 30 ± 5 |
| Maximum allowed joint movement (%) | | ± 25 |
| Maximum tension ($N/mm^2$) | ISO 37 | ca. 2.00 |
| Elongation at Break (%) | ISO 37 | > 500 |
| Elastic recovery (%) | ISO 7389 | > 80 |
| Elasticity Modulus 100% ($N/mm^2$) | ISO 37 | ca. 0.60 |
| Temperature Resistance (°C) | | -40 to +285 |
| 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 in water loaded applications should be primed with Primer 150. Prepare non-porous surfaces with a soudal activator or cleaner.

- Substrate types

  Silirub HT°- A has a good adhesion to all usual building substrates, including metals.
  Silirub HT°- A is not suitable for PE, PP, PTFE (Teflon®), PVC, concrete, and bituminous substrates.
  We recommend a preliminary adhesion and compatibility test on every surface.



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## 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.

## Joint Recommendation

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° - A 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 apply 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.



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- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.





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