



# SILTECH 100

## TECHNICAL DATA SHEET

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SILTECH 100 is a one-part acetoxy silicone sealant that cures with atmospheric moisture to form a rubber-like seal for specialized glazing sealing and bonding applications – joint sealing and assembly. Weathering and UV resistance are excellent, important in glazing applications where most organic sealants fail. SILTECH 100 is unaffected by high or low temperatures and its good physical properties are designed to give outstanding durability and performance. SILTECH 100 is suitable for sanitary applications.

Property	Unit	Value
Colours	Visual	Clear, white, black, grey, bronze
Curing system	NA	Acetoxy
Application temperature	°C	-20°C to +40 °C
Specific gravity	g/ml	0.98
Tack free time 23 °C	Minutes	5-15
Droop (Vertical)	mm	0
Extrudability	ml/min	150
Temperature resistance	°C	-50 °C to +100 °C
Tensile strength 23°C	MPa	>0.4
Tensile strength -20°C	MPa	>0.6
*Values listed are indicative and should not be used as specifications		
<ul style="list-style-type: none"><li>• Actual drying times depends on wind, humidity, temperature and film thickness</li><li>• High humidity or low temperature and heavy films extend drying times</li><li>• To determine if primer is required, sample should be tested</li><li>• Primer selection is dependent on substrate</li></ul>		

## PROPERTIES

SILTECH 1000, when cured is resistant to UV radiation, moisture, extreme temperature fluctuations, tensile and compressive stresses.

- Acid curing
- High intensity, fast solidification
- Good tightness, weathering resistant, UV resistant
- Ozone resistant, water resistant
- High and low temperature resistant

## APPLICATIONS

- Standard and butt glazing
- General sealing and assembly
- Bathroom, kitchen and other sanitary application

NOTE: If there is any uncertainty regarding the application, adhesive tests should be carried out.

## APPLICATION GUIDELINE

To achieve good adhesion to the desired substrate, it is recommended that all surfaces are dry and free from oil, grease, dust and other loose matter. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. The solvent used should be checked for compatibility with the contact area. Detergent,

## LIMITATIONS

SILTECH 100 is not recommended:

- For use underwater
- For use in food contact applications
- When painting of the cured sealant is required
- For structural adhesion on bear metals or surfaces

subject to corrosion

SILTECH 100 should not be applied to or used on:

- In structural glazing applications
- On porous substrates
- Under exceedingly hot or cold conditions
- On wet, damp, frozen or contaminated surfaces
- On excessively basic or acidic substrates
- In exceedingly large structural cavities

Each user bears the full responsibility for making its own determination as to the suitability of supplier material, products, services, recommendations or advice for its own particular purposes. Each user must perform test to determine whether analysis is sufficient to assure its finished parts will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material product, service or design is intended or should be construed to grant any license under any patent of other intellectual property right of Supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

## PRECAUTIONS

- This material requires atmospheric moisture to cure from paste to rubber and may not attain its listed final cured rubber properties when used in designs or applications where the silicone is encapsulated and without access to atmospheric moisture.
- Some materials that bleed plasticizers or oils can cause a discoloration on the surface of sealants. When sealing, to or over items such as; rubberized gaskets, bituminous-based materials, butyl or oilbased products, oily woods, tapes, etc., Silicone & Technical Products recommends that compatibility testing be performed prior to use to confirm the suitability of the use of these materials when in contact with each other.

## HANDLING SAFETY AND STORAGE

SILTECH 100 material safety data sheets are available on request. Uncured product may cause irritation to eyes, skin and respiratory system.

Should there be contact with eyes, flush with water immediately and seek medical attention. Avoid oral contact. Use only in well-ventilated areas.

SILTECH 100 should be stored out of reach of children and unopened containers in a dry place below 25°C.

Shelf life is 12 months if stored in original sealed container, please consult details printed on cartridge.

## PACKAGING

SILTECH 1000 is available in 260ml cartridges and 190kg drums.