



Sealants and Adhesives

1000

Technical Data Sheet

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Product Description

SILTECH 1000 is a non-slump, fast curing, one component acetoxysilicone, which cures at room temperature under the action of atmospheric moisture to give a high strength elastomeric silicone rubber designed for DIY application, glazing application, joint sealing and assembly. SILTECH 1000 is suitable for sanitary applications.

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 glazing
- General bonding and insulation
- Bathroom, kitchen and other sanitary applications
- Metal and metal joints
- General sealing and assembly
- Sign manufacturing/assembly
- Cold room panel sealing
- Cladding

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, soap and water treatments are not recommended.

Typical Physical Properties

Properties	Unit	Value
Colours	Visual	Clear, white, black, grey, bronze
Curing system		Acetoxysilicone
Application temperature	°C	-20 to +40
Specific gravity	g/ml	0.94 ± 0.05
Tack free time 23 °C	min	6
Slumpability (vertical)	mm	No change in shape
Slumpability (horizontal)	mm	0
Hardness (shore A)		24
Extrudability	ml/min	80
Temperature resistance	°C	-50 to +100
Tensile strength 23°C	mPa	>0.4
Tensile modulus (23°C)	mPa	0.36
Curing speed	mm/24hr	4.2
Elongation at break	%	250
Movement capability	%	12.5

*Values listed are indicative and should not be used as specifications

Please Note

- Actual drying times depends on wind, humidity, temperature and film thickness
- High humidity or low temperature and heavy films extend drying times
- To determine if primer is required, sample should be tested
- Primer selection is dependent on substrate

Limitations

The product is not applicable to structure assembly or project whose base material has a surface temperature above 40°C

SILTECH 1000 is not recommended:

- For use underwater
- For use in food contact applications
- When painting of the cured sealant is desired
- For structural adhesion on base metals or surfaces subject to corrosion

SILTECH 1000 should not be applied or used:

- 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 and exceedingly large structural cavities

Packaging

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

Handling Safety and Storage

SILTECH 1000 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 1000 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.

Legal Disclaimer

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 a test to determine whether analysis is sufficient to assure that the product 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 or 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.



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