



SILTECH 1000

Silicone DIY

TECHNICAL DATA SHEET

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SILTECH 1000 is a non-slump; fast curing one component silicone, 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, and contains an antifungal agent.

Property	*CTM	Unit	Value
Colours	-	Visual	Clear, white, black, grey, bronze & aluminum
Curing system	-	NA	Acetoxy
Application temperature	-	°C	+5 to +40
Specific gravity	097B	g/ml	0.96 - 0.97
Extrusion	364C	g/minutes	800
Penetration	0155A	mm/30s	270
Skin-over time 23°C	098B	Minutes	15
Temperature resistance	-	°C	-40 to +100
Cure rate 23°C (1 day)	0663A	mm	2
2mm thickness S2 dumbbells (ASTM D412)			
E-Modulus 100%	0137A	MPa	0.4
Tensile strength	0137A	MPa	2.0
Elongation at break	0137A	%	570
Hardness (Shore A)	99E	Shore A	17
*Values listed are indicative and should not be used as specifications			
<ul style="list-style-type: none"> • 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 			

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

LIMITATIONS

To achieve good adhesion to the desired substrate, it is recommended that its surface is dry, dust and oil free. It is recommended to use a solvent such as MEK or Acetone to clean surfaces before application of the sealant. It is important to check the compatibility of the solvent with the area being cleaned. If there is any uncertainty regarding the application, adhesion tests should be carried out.

PRECAUTIONS

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
- In exceedingly large structural cavities

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 13 months if stored in original sealed container, please consult details printed on cartridge.

PACKAGING

SILTECH 1000 is available in 260ml cartridges and 195kg drums.

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 identify and perform test and analysis 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.