



Sealants and Adhesives

SILTECH 900 Acrylic Sealant TECHNICAL DATA SHEET Rev.6 Date: 13/09/2022

SILTECH 900 is a one component paintable water based sealant,which on curing will form an acrylic rubber sealant that will exhibit very good adhesion characteristics to most construction substrates. The product is designed for interior and exterior use.

| Property | Unit | Value |
|--|-------------------------|----------------------------------|
| Colour | Visual | White |
| Density | g/cm ³ | 1.64 ± 0.03 |
| Tensile strength | MPa | ≥0.10 |
| Skin over time | Minutes | 45 (25°C @ 40% RH) |
| Curing time | Hours | 24 - 96 (depending on bead size) |
| Elongation at break | % | >100 |
| Hardness | Shore A | 30 - 40 |
| Tack free time | Minutes | 15 – 60 (230C , % 50 humidity) |
| Completely dry time | Hours | 24 |
| Volume shrinkage | % | 29 |
| Temperature resistance | °C | -20 to +70 |
| Joint movement capability | % | 12 |
| Application temperature | °C | +5 to +40 |
| Values listed are indicative and should n | ot be used as specifica | tions |
| Actual drying times depends on High humidity or low temperature To determine if primer is required | re and heavy films exte | nd drying times |

<u>ISO</u>

14001

9001

ISO

45001

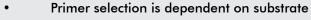
FSSC

22000

CSR

26000

To determine it primer is required, sample should be tested
 Primer collection is dependent on substrate







PROPERTIES

The Acrylic rubber formed from SILTECH 900 is resistant to UV radiation, moisture, extreme temperature fluctuations

(Between -30°C & 80°C), and tensile and compressive stresses. The elasticity of the rubber is retained throughout the temperature range indicated. SILTECH 900 adheres well to wood, masonry, brick and plaster. It cures to form a flexible non-yellowing seal without staining

or bleeding.

SILTECH 900 should only be used where slight joint movement is anticipated. In extremely deep joints, use foam joint filler. Tooling is recommended and, if possible, should be completed in one continuous stroke. To achieve good adhesion to the desired substrate, it is recommended

that it is dry and paintable. 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. It there is any uncertainty regarding the application, adhesion tests should be carried out.

APPLICATIONS

SILTECH 900 was developed for sealing around windows, door frames, baseboards or any joint or gap where a weather-tight seal is required. A minimum of 2 hours dry time is required before painting with latex or oil based paint. Allow extra dry time during periods of high humidity and/or cool temperatures.

LIMITATIONS

SILTECH 900 is not recommended:

- For use underwater
- For use in food contact applications
- For structural adhesion

SILTECH 900 should not be applied or used:

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

PRECAUTIONS

- This material requires the loss of 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 acrylic is encapsulated and without the possibility to lose moisture to the atmosphere.
- 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 oil-based 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.
- Acrylic materials are hydrophobic in nature and if inadvertently over-applied onto adjacent joint surfaces (even if removed immediately), can create a water proofing effect on some substrate types when the substrate is wet.

HANDLING SAFETY AND STORAGE

SILTECH 900 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. SILTECH 900 should be stored in a dry place below 30°C. Shelf life is 12 months if stored in original sealed container, please consult details printed on cartridge.Keep away from children.

PACKAGING

SILTECH 900 is available in 280ml cartridges, 600ml sausages and 250kg drums

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 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.

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