



Sealants and Adhesives

SUPER STICK 850

Technical Data Sheet

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Product Description

SILTECH SUPER STICK 850 is a specifically formulated high grab acrylic adhesive for use in the DIY and construction industries and will provide an incredibly strong bond once cured. SILTECH SUPER STICK 850 is an excellent cornice and molding adhesive and ideal for the installation of wall sheeting but will also bond to concrete, fiber cement sheeting, glass, metal, plasterboard, wood and most other common building materials. SILTECH SUPER STICK 850 is fully paintable once cured, can be used in both interior and exterior applications, is APEO free and low in Volatile Organic Compound (VOC).

Applications and Areas of Use

SILTECH SUPER STICK 850 is ideal for use as a general-purpose construction adhesive. It will adhere to a wide variety of substrates, including aluminium, concrete, glass, glazed tiles, masonry, metals, painted or treated wooden surfaces and untreated wood. The product won't adhere to oily or bituminous surfaces. Not suitable for applications where permanent immersion in water will occur.

Features and Benefits

The strong yet durable adhesive bond formed by SILTECH SUPER STICK 850 is resistant to moisture, extreme temperature fluctuations (between - 20°C and 70°C), tensile and compressive stresses. The product provides:

- High initial tack
- High final bond strength
- Non sagging
- Paintable
- Water clean up

Packaging

SILTECH SUPER STICK 850 is available in 280ml cartridges.

Applications

Properties	Unit	Value
Colour	Visual	White
Density	g/cm ³	1.24 ± 0,05
Curing time (completely dry)	Hours	24 – 48 (depending on bead size)
Tack free time	Minutes	30 – 45 (23°C @ 50% RH)
Elongation at break	%	>100
Hardness	Shore A	80 – 90
Volume shrinkage	%	35
Temperature resistance	°C	-20 to +70

*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



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Application Guideline

To achieve strong and durable adhesion, check that the surfaces to be stuck together are free from oil, grease, moisture and loose dust. It is recommended to use a cleaning solvent (it is important to first test the compatibility of the solvent with the substrate being cleaned test on a small/unnoticeable area) to clean surfaces before applying the SILTECH SUPER STICK 850. Apply SILTECH SUPER STICK 850 to the full length of the surface to be stuck down. Carefully position the treated substrate against the prepared surface and apply a steady gentle pressure and to allow the excess SILTECH SUPER STICK 850 to squeeze out. Small items can be supported momentarily until adhesion is formed but larger items will require support throughout curing. Wipe off excess material with a soft damp sponge or cloth and allow setting and final curing. Tools and hands can be washed with regular soap and water to clean.

Limitations

SILTECH SUPER STICK 850 is not recommended:

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

SILTECH SUPER STICK 850 should not be applied or used:

- 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 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 product is encapsulated and without access 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.

Handling Safety and Storage

SILTECH SUPER STICK 850 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. Do not ingest. Use only in well-ventilated areas. SILTECH SUPER STICK should be stored in a cool dry place between 15°C - 30°C. Shelf life is 12 months if stored in original sealed container. Keep out of reach of children.

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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