



# SILTECH 800

## Cornice Adhesive

### TECHNICAL DATA SHEET

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SILTECH 800 cornice adhesive is a strong, flexible durable single component acrylic adhesive. SILTECH 800 cornice adhesive will stick all polystyrene cornices, decorative plaster pieces, ceiling roses and reinforce plaster-board with such ease that even the DIY enthusiast can achieve a professional finish. Product exhibits excellent filling and paintable properties.

Property	Unit	Value
Colour	Visual	White
Movement accommodation	%	±10%
Density	g/cm <sup>3</sup>	1.58±0,03
Tensile strength	MPa	0.08
Skin over time	Minutes	45 (25°C @ 40% RH)
Curing time (completely dry)	Hours	24 (depending on bead size, 23°C @ 50% RH)
Tack free time	Minutes	20 – 60 (23°C @ 50% RH)
Elongation at break	%	>250
Hardness	Shore A	30
Volume shrinkage	%	30
Temperature resistance	°C	-30 to +80
Max tensile strength	MPa	≥0.20 (glass substrate)
Modulus at 100% elongation	MPa	≥0.15 (glass substrate)
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> <li>All tests with elongation and tensile strength are done in accordance with ASTM D412C test methods</li> </ul>		

## APPLICATIONS

The strong yet durable adhesive bond formed by SILTECH 800 cornice adhesive acrylic polymer is resistant to UV radiation, moisture, extreme temperature fluctuations (between -30° & 80°C), tensile and compressive stresses.

The product provides:

- High initial tack and final bond strength
- Soft glue line with good flexibility
- Excellent properties designed as paste to be applied with scraper

## POLYSTYRENE CORNICE APPLICATION GUIDELINE

- 50g/meter for small to medium moldings on new or straight walls
- 100g/meter for large moldings on new or straight walls
- 100g/meter for small to medium moldings on damaged/uneven walls
- 200g/meter for large moldings on damaged or uneven walls

Recommended SILTECH 800 cornice adhesive 50g/meter

One 310ml cartridge of adhesive should do 6.5 meters of corning. Allow 5-10% for wastage. SILTECH 800 cornice adhesive can be used as a primer when mixed with water.

To achieve the 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 800 cornice adhesive.

Apply SILTECH 800 cornice adhesive to the polystyrene cornice using a wide putty knife or suitable tool along the full length of the surface to be stuck down. Carefully position the treated cornice against the prepared surface and apply a steady gentle pressure so as not to dent the polystyrene cornice and to allow the excess SILTECH 800 cornice adhesive to squeeze out. 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 800 is not recommended:

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

SILTECH 800 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 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 product 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 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 800 cornice adhesive 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 or al contact. Use only in well-ventilated areas. SILTECH 800 cornice adhesive 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.

## PACKAGING

SILTECH 800 cornice adhesive is available in 310ml cartridges, 600ml sausages, 2L, 5L, 2kg & 5kg buckets and 250kg 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.