



# SILTECH 400

## ECONO-CORNICE ADHESIVE

### TECHNICAL DATA SHEET

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Siltech 400 Econo-Cornice Adhesive is specifically formulated strong, durable and sandable single component acrylic based adhesive. SILTECH 400 Econo-cornice adhesive will stick to all polystyrene cornices, decorative plaster pieces, ceiling roses and reinforce plasterboard 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
Density	g/cm <sup>3</sup>	1,90±0,03
Tensile strength	MPa	≥ 0,10
Curing time (completely dry)	Hours	2 mm/24 hours (23 °C , %50 humidity)
Tack free time	Minutes	15-60 min. (23 °C % 50 humidity)
Elongation at break	%	>100
Volume shrinkage	%	29
Max tensile strength	MPa	≥ 0,30 (glass substrate)
Modulus at 100% elongation	MPa	≥0,20 (glass substrate)

Values listed are indicative and should not be used as specifications

- SILTECH 400 Econo-cornice adhesive can be used as a primer when mixed with water.
- Actual drying times depends on wind, humidity, temperature and film thickness.
- High humidity or low temperature and heavy films extend drying times.
- All tests with elongation and tensile strength are done in accordance with ASTM D412C test methods.

## PROPERTIES

The strong yet durable adhesive bond formed by SILTECH 400 Econo-cornice adhesive acrylic polymer is resistant to UV radiation, moisture, extreme temperature fluctuations (between -30° & 80°C), tensile and compressive stresses.

The product provides:

- Very easy application.
- Forms permanently water repellent layer after curing.
- Resistant to air conditions, stay elastic a long time after curing.
- Contains no oil and does not effect on surface which is used acrylic sealant.

## APPLICATIONS

- Polystyrene and Polyurethane cornices
- Ceiling roses
- Decorative plaster pieces
- Reinforced plasterboard joint sealing
- Joint and crack filling.

## 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

The recommended usage rate SILTECH 400 Econo-cornice adhesive 50g/meter.

Allow 5-10% for wastage. SILTECH 400 Econo-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 400 Econo-cornice adhesive. Apply SILTECH 400 Econo-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 400 Econo-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 400 is not recommended:

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

SILTECH 400 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 and may not attain its listed final cured 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 400 Econo-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 oral contact. Use only in well-ventilated areas. SILTECH 400 Econo-cornice adhesive should be stored in a cool dry place between 15°C - 30°C. Shelf life is 24 months if stored in original sealed container. Keep out of reach of children.

## PACKAGING

SILTECH 400 Econo-cornice adhesive is available in 260ml cartridges, 1kg, 2kg & 5kg buckets.

## 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 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.