

Product Data Sheet

SILICONE TC

Silicone TC is an organic resin render incorporating a Silicone resin emulsion and an Acrylic resin dispersion in a ready to use render. If applied according to the manufacturer's instructions it can be used on a variety of prepared exterior surfaces to provide an attractive, low maintenance textured finish.

Silicone TC is a low odour, ready to use organic resin render which is quick and easy to apply and is available in a wide range of colours. It provides excellent adhesion and application properties and, following appropriate preparation, can be applied to a wide variety of substrates. Silicone TC is a cement-free render with greater flexibility. Although primarily for external application, Silicone TC can be used internally.

SILICONE TC incorporates the benefits of silicone technology to provide a water repellent final surface which gives excellent protection. The silicone allows water vapour to pass freely through the render whilst allowing the finish to remain weather resistant. Silicone TC contains a biocide to help prevent infection from moulds, yeasts and algae and it has a low susceptibility to soiling and contamination.

PREPARATION

- A test panel to check colour and final appearance is recommended
- Backgrounds should be clean, level, dry and free from efflorescence
- Mask all adjacent surfaces including windows, sills, doors, timber, glass, brick & flooring
- Protect weather exposed surfaces

APPLICATION

- The temperature of the substrate and surrounding air should be a minimum of 5°C
- Do not apply in conditions of strong sunshine or wind; do not apply onto damp or frozen substrates
- Allow freshly applied render basecoats a minimum of 14 days before work commences
- Prime walls using Primer TC colour co-ordinated to topcoat and allow 24 hours drying time for primer before applying topcoat
- Stir bucket contents thoroughly using a slow speed mixer. A small amount of water can be mixed with the product to achieve the best working consistency
- Apply the product to the thickness of the largest grain size using a stainless steel float; allow to take up slightly. The surface is then rubbed up in a circular motion using a plastic float to create the texture
- Complete continuous surfaces without interruption, working to a wet edge at all times
- Drying times may be prolonged by lower temperatures and/or high humidity
- The fresh render must be protected from rain and from drying too fast

PRODUCT INFORMATION

Product classification according to BS EN 15824:2009

A water-dilutable product for exterior and interior use.

Water vapour permeability: Category V 2;

Water absorption: Category W 3;

Adhesion: 0.65 MPa;

Thermal Conductivity:

λ 10, dry (P=50%) = 0.83,

λ 10, dry (P=90%) = 0.93;

Synthetic resin plaster in accordance with DIN 18558.

Designation: Coating Material DIN 18558 – P Org 1

Density: Approximately 1.8 t / m³

Coverage:

Silicone TC 15 – largest grain 1.5mm; coverage = approximately 2.5 kg / m²

Silicone TC 30 – largest grain 3.0mm; coverage = approximately 5.0 kg / m²

These figures depend on substrate and application technique.

Product Data Sheet (contd.)

CLEANING

Clean tools and equipment with water immediately after use. If product has been left to harden it can only be removed mechanically.

PACKAGING

25 kg plastic tubs

The shelf life is approximately one year if stored off ground in original, sealed containers and protected against frost and away from direct sunlight.

OTHER INFORMATION

Safety: The product is non hazardous if used according to the manufacturer's instructions; a separate material safety data sheet is available on request.

TECHNICAL ADVICE

The product must be stored and applied in accordance with manufacturer's recommendations.
A technical advisory service is available on request.

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FM85394



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