

# 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:

$\lambda$  10, dry (P=50%) = 0.83,

$\lambda$  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 / m<sup>3</sup>

**Coverage:**

Silicone TC 15 – largest grain 1.5mm; coverage = approximately 2.5 kg / m<sup>2</sup>

Silicone TC 30 – largest grain 3.0mm; coverage = approximately 5.0 kg / m<sup>2</sup>

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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