

# Technical Data Sheet TC-PD-006

## INSUL-Sil15

Insul-Sil15 is a synthetic resin plaster incorporating a silicon 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.

Insul-Sil15 is a low odour, ready to use synthetic resin plaster 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. Insul-Sil15 is a cement-free render with greater flexibility.

Although primarily for external application, Insul-Sil15 can be used internally.

Insul-Sil15 contains a biocide to help prevent infection from moulds, yeasts and algae and it has a low susceptibility to soiling and contamination.

### 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 - 0.43 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 Kg/m<sup>3</sup>

Coverage:

Insul-Sil15 – largest grain 1.5mm; coverage = approximately 2.0 Kg/m<sup>2</sup>,

These figures depend on substrate and application technique.

### PREPARATION

- A test panel to check colour and final appearance is recommended.
- Backgrounds should be clean, level and 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 before use 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.

## 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 buckets
- 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.

A technical advisory service is available on request.

### Company/undertaking identification

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The information contained here is offered in good faith and is based on our current knowledge.

We thereby withhold the right to update and amend this document as necessary.

The information should not be taken as guarantee of specific performance and users should make their own assessment and make all applicable personnel aware accordingly.

The wearing of appropriate safety equipment is strongly recommended as a precaution and the product should only be used in its design application.