

## Product Data Sheet – Struc-Acryl Acrylic Topcoat

Struc-Acryl is a synthetic resin plaster incorporating 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.

Struc-Acryl 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. Struc-Acryl is a cement-free render with greater flexibility.

Although primarily for external application, it can be used internally.

Struc-Acryl 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 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 Struc-Primer colour coordinated to topcoat and allow 24 hours drying time for primer before applying topcoat choices.
- 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: Synthetic resin plaster in accordance with EN15824

Water vapour permeability: V2

Water absorption: W3

Adhesion: 0.43 MPa

Durability: NPD

Thermal Conductivity: ( $\lambda_{10,dry}$ ) = 0.83 W/m.K

Reaction to Fire: Class C

Product: Synthetic resin plaster in accordance with DIN 18558.

Designation: Coating Material DIN 18558 – P Org 1

Composition:

Binder system: Acrylic resin dispersion

Aggregate Type: Mineral fillers, calcite & dolomite

Admixtures: Defoamers, thickeners, dispersing agents, pigments and preservatives.

Thinner: Water

Density: approximately 1.8 Kg/m<sup>3</sup>

Coverage: Approximately 2.5 Kg/m<sup>2</sup>, depending on substrate and application technique.

Water vapour diffusion-equivalent air layer thickness:  $s_d < 1m$  (BS EN ISO 12572:2001)

Water absorption coefficient:  $W < 0.1 \text{ Kg/m}^2 \cdot \text{h} \cdot 0.5$  (BS EN ISO 15148:2002)

**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.

**TECHNICAL ADVICE**

A technical advisory service is available on request.

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