

## Product Data Sheet – Structherm Brick Effect Render

Structherm Brick Effect Topcoat is a cement based, ready mixed, through coloured render system, requiring only the addition of clean water. These products have been designed to have excellent workability with the system being applied in two different coats: the mortar coat & brick effect topcoat. The topcoat being cut through to expose the mortar coat, creating the fully brick and mortar joint effect.

### TECHNICAL DATA

**Pack Size:** 25kg bag

**Finishing Tool:** Steel trowel, brick effect cutting tools

**Substrate Primer:** Ecorend S10 Bonding Primer

**Suitable Substrate:** Suitably keyed Structherm Basecoat

**Pot Life:** 1 Hour +

**Water Demand:** Approx 4-5 litres per 25kg bag

**Ready to Finish:** 1-4 hours at 20°C

**Humidity Requirement:** Less than 95%

**Coverage:** Approx. 1.8kg per mm / per m<sup>2</sup>

**Application Temperature:** 3°C - 25°C

### PREPARATION

All surfaces must be sound, clean, dry and free of any material which may impair adhesion. Do not apply to shiny surfaces. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration, must be rectified. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out. Beams and expansion joints should be included as required by the substrate and BS standards and carried through all applied materials.

### PRIMING

Dependant on suction of the suitably keyed basecoat and weather conditions, S10 Bonding Primer may be used.

### MIXING

Structherm Brick Effect Topcoat should be mixed with clean water at a rate of between 4 and 5 litres per 25kg bag using a suitable paddle or pan mixer. Mix for 2 minutes then allow standing for 2 minutes then remix. This process allows the additives to dissolve and activate.

### APPLICATION

#### Structherm Brick Effect Mortar Coat

Apply Structherm Mortar Coat at a thickness of 6-8mm thick using hawk & stainless steel trowel or suitable spray machine. Rule off to a flat finish, do not over trowel, polish or apply water whilst the product is setting. After the mortar coat has started to stiffen, the Structherm Brick Effect Topcoat can be applied.

#### Structherm Brick Effect Topcoat

Apply Structherm Brick Effect Topcoat once the mortar coat has started to stiffen but not set. The Brick Effect Topcoat is applied at a thickness of 3-5mm using hawk & stainless steel trowel or suitable spray machine.

To achieve a textured surface finish, use a clean, stiff brush, comb, sponge, spatula, ensuring the product is not over polished or water is added during the set. The skill of the applicator will determine the finish. We strongly advise a sample is made and signed off on site which can then be reverted to if there are any disputes over finish variations.

Once the Topcoat has been textured, and following initial setting of the applied material, the Topcoat is cut 0 0+ through, leaving the mortar joint exposed, using an appropriate cutting tool. Sprit levels, Staffs and straight edges should be used for this operation. Cutting the Topcoat too soon may result in tear the material and leave lines/indentations where levels etc. have been placed. Leaving the product too late to cut may lead to the product becoming difficult or impossible to cut. The Topcoat should be relatively easy to cut through without marking or tearing the Topcoat. Following further stiffening of the Topcoat, lightly brush and

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remove any face materials left by the cutting out process, taking care not to contaminate/damage the surface.

**Note:** Structherm Brick Effect Render Topcoat may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.

**STORAGE**

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

**TOOL CLEANING**

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

**HEALTH & SAFETY INSTRUCTIONS**

For further information, please request the material safety data sheet for this product.

**IMPORTANT INFORMATION**

The weather conditions for application and drying are critical. Do not apply if any of the following conditions are likely to arise during - or in the first 24 hours following application:

- If frost is forecast, or in wet conditions
- When Relative Humidity is above 95%
- In temperatures below +3°C or above +25°C
- If the elevation is in direct sunlight
- If the substrate is hot (at or above 30°C) or below +3°C

Coverage rates are approx. and do not take into account wastage and uneven substrates.

The render must be protected against heavy rain, direct sun or wind in the first 24 hours after application. Sheeting the façade or the scaffold is advised to protect against this. For this particular product, if these parameters are not met, the product is at risk of, efflorescence, colour variation, cracking and potential failure. Always ensure that the same batch numbers when possible are used up to natural breaks in the elevation – i.e. down pipes, expansion joints and corners as batch to batch colour variation is possible due to the fact natural raw materials are used. It is the responsibility of the application contractor to manage and record the weather conditions during application and curing of the product.

To the best of our knowledge and belief, this information is true and accurate. However, as conditions of use of the product and the expertise of any labour involved are beyond our control, the end user must satisfy themselves by prior testing that the product is suitable for their specific application if no spec has been provided for the project in hand. No responsibility can be accepted, nor any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that they have consulted our latest literature.