

Product Data Sheet – Structherm Fibre Basecoat

Structherm Fibre Polymer Base Coat render is a cost effective, pre-mixed ready to use material with the addition of clean water being the only requirement. A traditional cement sand & lime-based formulation modified with polymer and fibers for improved workability adhesion and crack resistance. Designed for use with Structherm cage system as a base coat layer.

Structherm Fibre polymer Base Coat is ideal as a plain finish render, or as a base coat prior to the application of silicone or acrylic textured finish or Structherm Dash Receiver.

COVERAGE

1.8kg/ mm thick/ sqm

COLOUR

Structherm Fibre Basecoat is grey in colour.

PACKAGING

25kg paper sack

STORAGE

Store in original paper sacks in dry conditions, protected from extremes of temperature

SHELF LIFE

12 months if kept in a cool dry place

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. Poorly keyed surfaces or substrates of uneven or high suction should be prepared with primer. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out. Beads and expansion joints should be included as required by the substrate and carried through all applied materials. Suitable specification clauses, including specifications for difficult or mixed substrates are available from our technical department. DO NOT apply if frost is forecast within 24 hours, in wet conditions, in temperatures below 5°C or above 30°C, to elevations in direct sunlight or to substrates that are hot. Never add water or fresh product and / or powder to a Fibre Polymer Base Coat mix which has already started to set.

PRIMING

Highly porous substrates must be primed with a Structherm primer

MIXING

Structherm Fibre Polymer Base Coat should be mixed with clean water at a rate of approximately 4.5-5 litres per 25kg bag using a suitable drill with whisk attachment, mix for 5 minutes, allow standing for 5 minutes then re-mix. This process allows the chemical additive to dissolve and activate. Note: Base Coat may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.

APPLICATION

To avoid dampness and discolouration rendering should be avoided below DPC or within 150mm of ground level. Structherm Fibre Polymer Base Coat should be applied in a one-coat operation to a thickness of 10-15mm and building up to required thickness using a hawk and trowel or suitable spray equipment. Product can be finished as required, for a plain finish rub up in a normal way as the render starts to pick up ready to receive a Silicone or Acrylic textured finish. To prepare to receive a Structherm Dash Receiver scratch key the base coat with a comb to provide a suitable key.

Note:

To provide the highest resistance to cracking we would always recommend the incorporation of reinforcing mesh. Recommend alkali resistant reinforcing mesh.

CLEANING

Clean tools and equipment using clean water.

OTHER INFORMATION

APPLICATION INFORMATION	
Application	By Trowel
Application Temperature	+5°C to + 30°C
Drying Time	24 hours – in ambient temperature, weather dependent
Coverage	1.8kg/m ²
TYPICAL PERFORMANCE	
Water Retention	98%
Permeability	Vapour Permeable
Mortar Density	1725 (g/l)
Flexural Strength	>2.6N/mm ²
Open Time	50-60 minutes at 20°C