

## Product Data Sheet – Structherm High Polymer Render Basecoat

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Structherm High Polymer Base Coat render is a cost effective, a pre-mixed ready to use material with the addition of clean water being the only requirement. Cement based ultra-high performance base coat designed to meet the ETAG 004 requirements as a EWI base coat, using blended high performance polymer technology for excellent adhesion strength and hydrophobic properties, chemical additives also control rehydration and workability. Our ultra-high polymer basecoat which can also be used as part of an anti-crack thin coat render system is suitable for use onto cementitious render carrier board and also as part of the bonding or reinforcing layer of an external wall insulation system and masonry applications.

**COVERAGE**

1.8kg/ mm thick/ sqm

**COLOUR**

Structherm High Polymer Basecoat is grey in colour.

**PACKAGING**

25kg paper sack

**STORAGE**

Store in original sack 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 High polymer Base Coat mix which has already started to set

**PRIMING**

Highly porous substrates should be primed with a Structherm liquid acrylic primer.

**MIXING**

Structherm High 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: High polymer 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 High Polymer Base Coat should be applied in a one-coat operation to a thickness of 6-8mm 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 or Structherm Texture coat 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. Structherm recommend alkali resistant reinforcing mesh.

Specification Clauses relating to this product can be found in NBS Section M20 Rendering. BS 5265 Code of Practice for External Rendering and BS 8000-10 must be followed.

#### **CLEANING**

Clean tools and equipment using clean water.

#### **OTHER INFORMATION**

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