

TECHNICAL DATA SHEET

Granosil K Topcoat

Silicone Thin Coat Render
Anti-Crack

Granosil K Silicone Thin Coat Render, is a ready to use, through coloured, flexible thin coat render. Developed using high-performance silicone technology ensures that the finish is highly water repellent, highly vapour permeable and extremely flexible, giving the very best resistance to cracking. This product can be applied by hand or spray.

Technical Data

Pack Size	25kg Bucket
Finishing Tool	Plastic Float
Substrate Primer	Envirosil K Primer
Dilution Rate	Max 2%
Ready to finish	10 - 40 minutes @ +5°C - 25°C
Humidity Requirement	Less than 85% for a minimum of 24 hours
Coverage	Approx 8-10m ² per 25kg
Application Temperature	5°C to 30°C
Water Vapour Permeability	V2 (Medium)
Water Absorption	W3 (Low)
Adhesion	>0.3MPa
Application Temperature	5°C to 30°C

Preparation

Preparation Substrate

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. Beads and expansion joints should be included as required by the substrate and BS standards and carried through all applied materials.

Priming

Prime substrate using Envirosil K Primer

Mixing

Envirosil K Silicone Thin Coat Render is supplied ready to use but can be modified for use depending on substrate and weather conditions by adding max. 2% of fresh water. Always ensure that the material has been mixed using a drill with suitable whisk prior to application.

Application

To maintain colour consistency, panels should be completed in sequence around the building, and where possible, in the same batch numbers. To avoid dampness and discolouration, rendering should be avoided below DPC, or within 150mm of ground level. To apply the material, use a stainless steel trowel, or suitable spray equipment depending on the grain size. Use the size of the aggregate to gauge the thickness of the render when applying to the substrate ie: Granosil K = thickness 1.5mm. Once the render is applied finish with a plastic float working the material in small circular motions, this will create a natural random surface.

Storage

When stored unopened in a dry place at temperatures above +5°C, shelf life is 18 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

This product contains CMIT/MIT as a biocidal product for in-can preservation and protection of the cured product. Contains 2-Octyl-2H-Isothiazol-3-One and a mixture of: 5-chloro-2- methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one. May produce an allergic reaction.

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

LOW VOC CONTENT: 3g/litre

VOC's (Volatile Organic Compounds) contribute to atmospheric Pollution. EU limit for this product: Cat A/I 200g/l (2010). This product contains max 10g/l.

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 85%
- In temperatures below +5°C or above +25°C
- If the elevation is in direct sunlight
- If the substrate is hot (at or above +30°C) or below +5°C
- Substrate PH must be less than 8

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

The product 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, polymer film damage, wash off, discolouration and potential failure can occur. It is the responsibility of the application contractor to manage and record the weather conditions during application and curing of the product.

Disclaimer

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. Keep out of reach of children.

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