Permarock Silicone^{Ultra} K Finish

PERMAROCK NANO-QUARTZ TECHNOLOGY

Overview

Permarock Silicone^{Ultra} K Finish Is an advanced, through-colour render. Lightweight, water-repellent and with excellent water vapour permeability, it is suitable for the protection of exterior walls, as a render system and for use as part of an external wall insulation system.

Based on a hybrid binder system of organically crosslinked nano-quartz particles and silicone emulsion, Silicone^{Ultra} K Finish offers enhanced resistance to the accumulation of dirt. Consequently, it maintains cleaner, brighter surfaces for longer than conventional mineral or synthetic renders. It will also resist discolouration and attack by aggressive airborne pollutants.

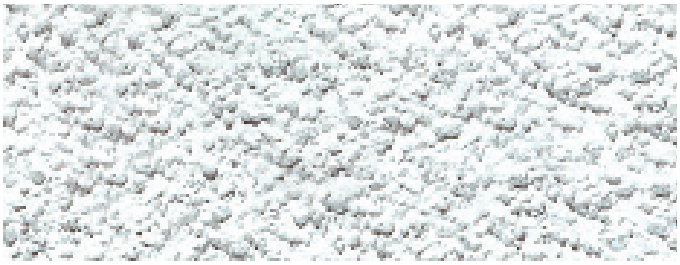
Photo-catalytic particles actively help to break down dirt particles, which will then often tend to be washed from the surface by the actions of normal weathering. The finish also contains a preservative that resists the growth of algae and fungus, thereby helping to prevent deterioration.

Permarock Silicone^{Ultra} K Finish is assessed to EN 13501-1 and when used as the decorative finish of a Permarock Mineral Fibre External Wall Insulation system*, the system achieves an A2-s1,d0 classification. It is suitable for use on buildings of any building height, including those with a storey height of 11 or more metres.

Available in an extensive range of colours from the Permarock Colour Chart, Permarock Silicone^{Ultra} K Finish has a stippled texture, and is available with a 1.5mm grain size. It is supplied pre-tinted and ready to use.

Quick Check - Silicone^{Ultra} K Finish	
Suitability	PermaRend / Permarock Exterior Render Systems & Permarock External Wall Insulation Systems
Reaction to Fire	A2-s1,d0 when incorporating Mineral Fibre B-S2,d0 when incorporating EPS Premium In accordance with BS EN 13501-1
Resistance to Soiling	Excellent: Photocatalytic pigmentation
Colour Fastness	Excellent
Colour Range	1250+
Colour Options	Colour matching available
Texture	K (stippled)
Thickness / Coverage	ca. 1.9 – 2.0kg/m^2 (depending on grain size and texture)

(1) Darker colours (Lightness Factor <20) are unsuitable for use with EPS systems. On Mineral Fibre insulation and render only systems, darker colours may also require an additional coat of Permarock Silicone^{Ultra} Façade Coating.



Sample Texture / Colour - White K 1.5mm

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Method of Application

Apply a coat of Permarock K & R Primer (colour to suit) onto the Base Coat by roller or brush. Once dry Silicone^{Ultra} K Finish (pre-tinted in colour) is supplied ready to use and are applied onto the prepared surface by stainless steel trowel or using spray equipment. The applied finish is then rubbed-up and textured with a plastic float to the grain size.

Application / Drying Conditions

Please consult our product Technical Data sheets for further information.

Packaging

Permarock K & R Primer is supplied, pre-tinted to the required colour, in 25kg plastic pails.

Permarock Silicone^{Ultra} K Finish is supplied pre-tinted to the chosen colour in 20kg plastic pails.

Coverage Rates

Aggregate Size	Approximate Coverage Rate *
K & R Primer	approx. 0.35 kg/m²
K 1.5mm	approx. 1.8 - 2.0 kg/m²

*A trial application should be carried out to determine actual coverage rates for each texture / grain size at each site / substrate. Spillage, waste on-site and the substrate may affect consumption.

All suggestions and application instructions should be used for guidance only.

Permarock Façade Colour Range

The Permarock Colour Chart includes 500 special shades. These represent colours with the most light fast and colour stable pigments, providing key benefits over standard colour ranges employed with conventional acrylic and silicone coatings and renders.

Key features

- Deep / dark and intensive colour shades with low lightness factors are now available with excellent resistance to fading and chalking
- UV absorbing pigments converts aggressive UV to less harmful longer wavelengths
- Two new inorganic pigments replace UV-unstable orange and blue pigments to provide unprecedented colour fastness in this part of the colour spectrum
- Low lightness factors, light fast / colour fast shades
- Class A1 under the B.F.S. classification system (BFS Fact Sheet 26)

Particle / Grain Size

K 1.5mm

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