



PermaRock Silicone^{ULTRA} K Finish



PermaRock Silicone^{ULTRA} K Finish represent the state-of-the-art in external through-colour renders.

Based on a hybrid binder system of organically crosslinked nano-quartz particles and silicone emulsion, Silicone^{ULTRA} K Finish offers a class-leading, self-cleansing effect, with enhanced resistance to dirt pick-up, providing cleaner surfaces for longer than conventional mineral, or synthetic renders.

Lightweight, water repellent, with excellent water vapour permeability, they can also resist aggressive air pollutants. Photo-catalytic particles help actively break down dirt particles which can be washed from the surface under normal weathering, and they contain a preservative against coating deterioration due to algae and fungus.

PermaRock Silicone^{ULTRA} K Finish (1.5mm) 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 and is suitable for use on buildings of any building height, including those with a storey height above 18 metres.

Available in an extensive range of colours from the PermaRock Colour Chart, PermaRock Silicone^{ULTRA} K Finish is available with a K (stippled) texture, in 1.5, 2.0, and 3.0 mm grain sizes.

Quick Check Box – Silicone^{ULTRA} K Finish



Suitability

PermaRend / PermaRock Exterior Render Systems & PermaRock External Wall Insulation Systems

Reaction to Fire

A2-s1,d0 (EN 13501-1:2007 + A1:2009)

Resistance to Soiling

Excellent: Photocatalytic pigmentation

Colour Fastness

Excellent – A1 Colour Range. (non-A1 colours dependent on colour shade)

Colour Range

1000+ (500 A1 Colour Shades) ⁽¹⁾

Colour Options

PermaRock Colour Chart – A1 Range ⁽¹⁾ Colour matching available

Texture

K (stippled)

Thickness / Coverage

ca. 1.9 – 3.1 kg/m² (depending on grain size and texture)

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



Sample Texture / Colour - White K 1.5 mm



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

Temperature (material, substrate and ambient) during application and drying: +5 °C to + 30 °C. Application should not take place in direct sunlight, during strong wind, fog, high relative humidity or when imminent rain or frost is expected. The material dries by water evaporation and film formation.

Drying time: at 20 °C and 65 % RR: Surface dry after approx. 24 hours. Cured, recoatable and ready for stress after 2-3 days.

Packaging

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

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

Coverage Rates

Aggregate Size	Approximate Coverage Rate *
K & R Primer	approx. 0.35 kg/m ²
K 1.5 mm	approx. 1.8 - 2.0 kg/m ²
K 2.0 mm	approx. 2.2 - 2.4 kg/m ²
K 3.0 mm	approx. 2.9 - 3.1 kg/m ²

*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 - please consult product Technical Datasheet for further information.

PermaRock Façade A1 Colour Range

The PermaRock Colour Chart includes 500 special 'A1' 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 Benefits:

- 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 Sizes



K 1.5 mm



K 2.0 mm



K 3.0 mm