PermaRock Silicone^{Ultra} K Finish
PermaRock Silicone^{Ultra} R Finish

PermaRock Silicone^{Ultra} K & R Finishes 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 & R Finishes offer a class-leading, self-cleansing effect, with enhanced resistance to dirt pick-up, providing cleaner surfaces for longer than conventional silicone, acrylic or mineral 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 & R Finishes are available with a K (stippled) texture, in 1.5, 2.0 and 3.0 mm grain sizes, or with an R (corrugated) texture with 2.0 and 3.0 mm grain sizes.

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Quick Check Box – Silicone^{Ultra} K & R Finishes	riba product selector
Suitability	PermaRend / PermaRock Exterior Render Systems & PermaRock External Wall Insulation Systems
Fire Performance	PermaRock Silicone^{Ultra} K-Finish (1.5 mm) is Euroclass A2-s1,d0 (BS 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
Number of Textures	2: K (stippled) / R (rolled / corrugated)
Thickness / Coverage	ca. 1.9 – 3.1 kg/m^2 (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 & R Finishes (pre-tinted in colour) are 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.

For Silicone^{Ultra} R Finish, the method of texturing allows the creation of linear (vertical, horizontal or diagonal) or non-linear (circular, swirling) patterns in the finished surface.

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 & R Finishes are 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/m²
K 1.5 mm	approx. 1.9 - 2.0 kg/m²
K 2.0 mm	approx. 2.2 - 2.4 kg/m²
K 3.0 mm	approx. 2.9 - 3.1 kg/m²
R 2.0 mm	approx. 1.9 - 2.1 kg/m²
R 3.0 mm	approx. 2.6 - 2.8 kg/m²

Particle / Grain Sizes

K 1.5 mm

K 2.0 mm

K 3.0 mm

R 2.0 mm

R 3.0 mm

*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.

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