PermaRock Mineral K Finish
PermaRock Mineral R Finish

PermaRock's lightweight and cost-effective Mineral Render is predominately manufactured from natural materials and is highly economical due to low consumption rates and ease of application.

PermaRock Mineral K & R Finishes are lime-cement-based, non-combustible and ecologically compatible exterior renders based on a white cement and lime binder system with lightweight additives, minimal organic content, and additives to induce water repellence.

When used as the finish of a PermaRock Mineral Fibre External Wall Insulation system, 2.0 mm Mineral K-Finish is A2-s1,d0 and is suitable for use on buildings of any building height, including those with a storey height above 18 metres.

Available as natural white or pre-tinted to colours (lightness factor LF ≥20) from the PermaRock Colour Chart. More intensive colour shades (LF < 30 to ≥ 20) can be achieved by decorating with a PermaRock Façade Coating.

Mineral K & R is available with a K (stippled) texture, in 2.0, 3.0, and 5.0 mm grain sizes, or with an R (corrugated) texture with 2.0 and 5.0 mm grain sizes.

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Quick Check Box – Mineral K & R Finishes	NBS Source PARTNER
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	Good
Colour Fastness	Very Good: Note that mineral renders may appear non-uniform (blushing) upon drying, depending upon weather conditions
Colour Range	900+ standard colour shades with façade coating option
Colour Options	PermaRock Colour Chart (LF ≥20)
Number of Textures	2: K (stippled) / R (rolled / corrugated)
Thickness / Coverage	Thickness determined by grain size. Coverage ca. 2.4 – 4.4 kg/m² (depending on grain size & texture)

Sample Texture / Colour - White K 2.0 mm

Method of Application

PermaRock Mineral K & R Finishes are supplied as dry powder pre-mixes which require mixing with clean water on site. The material is applied uniformly with a stainless-steel trowel or using spray equipment. Immediately after application the finish is 'rubbed off' to the correct grain size.

For Mineral K Finish, the render is treated evenly with a plastic trowel by circularly 'ironing' to create a uniformly textured surface. For Mineral R Finish, the direction of floating allows the creation of linear (vertical, horizontal, or diagonal) or non-linear (circular, swirling) patterns in the finished surface, as desired.

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 cures and dries by hydration and evaporation of water.

Drying time: New renders / plasters are recoatable after a sufficiently long waiting time (normally 2 weeks at 20 °C and 65 % RH). An additional priming coat of alkali-resistant primer, e.g., PermaRock CapaGrund Universal, allows re-coating after only 7 days curing / drying.

Packaging

PermaRock Mineral K & R Finishes are supplied pre-tinted to the chosen colour in 25 kg sacks.

Coverage Rates

Aggregate Size	Approximate Coverage Rate*
K 2.0 mm	approx. 2.4 kg/m²
K 3.0 mm	approx. 2.8 kg/m²
K 5.0 mm	approx. 4.4 kg/m²
R 3.0 mm	approx. 2.5 kg/m²
R 5.0 mm	approx. 3.5 kg/m²

Particle / Grain Sizes

K 2.0 mm

K 3.0 mm

K 5.0mm

R 3.0 mm

R 5.0 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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PermaRock Products Ltd
Jubilee Drive, Loughborough
Leicestershire, LE11 5TW.

t +44 (0)1509 262924
e permarock@permarock.com
w www.permarock.com

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