

Product Data Sheet

K Rend LW1, Lightweight Render

K Rend LW1 is a lightweight, cement based and polymer modified self-coloured render, which can be applied directly onto a wide range of masonry and external wall insulation (EWI) substrates. K Rend LW1 offers exceptional coverage due to being a light weight render and can achieve a variety of finishes.

K Rend LW1 may be applied by machine or by hand. If applied as per manufacturer's instructions, an attractive, low maintenance finish can be achieved. K Rend LW1 is Kitemarked and CE marked to BS EN 998-1 and manufactured in accordance with a quality system certified to ISO 9001.

Features & Benefits

- Lightweight on the trowel
- Can be applied directly onto masonry backgrounds
- Can be applied directly onto variety of insulation
- Can be hand or machine applied
- Excellent handling properties

K Rend LW1 is a light weight render specifically designed for application directly onto a range of substrates, including;

- Brickwork
- Blockwork
- Expanded polystyrene insulation (EPS)
- Mineral wool insulation
- Phenolic insulation

K Rend LW1 may be used to provide a range of finishes;

- Textured scraped finish
- Dry Dash finish
- Spray Roughcast finish

One Coat Coverage:

1.25 kg / mm thick / sq.m

One Coat Requirements:

15 - 20kg / sq.m approx. on insulation substrates.

Nominal 12 - 16mm thickness for insulation substrates.
(Minimum finished render thickness = 12mm).

20 - 25 kg / sq.m approx. on masonry substrates.

Nominal 16 - 20mm thickness for masonry substrates.
(Minimum finished render thickness = 16mm)

K Rend LW1 is applied to external wall insulation substrates in two passes using reinforcing mesh embedded into the first pass, with additional mesh at stress points.

K Rend LW1 is applied to masonry substrates in two passes, with reinforcing mesh embedded into the first pass at stress points.

It is important that a consistent minimum finished thickness is achieved over the whole surface and that the maximum recommended thicknesses are not exceeded.

Colour

- Samples from an extensive range are provided on request, for colour indication only.
- A site sample panel is recommended to ensure that the specifier is satisfied with the render colour and texture.
- K Rend materials are manufactured from natural products and slight shade variations may occur.

Kitmark Classifications

Compressive Strength: CS III

Capillary water Absorption Category: W2

Thermal Conductivity: P=50% 0.30

Site Conditions

- K Rend should only be used when the temperature is between 5°C and 35°C
- K Rend renders must not be applied to frozen or thawing supports. If the coating is to be applied in adverse weather conditions it is essential to protect the working area and finish before and after application.

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Application

- K Rend LW1 is designed for use with most spray machines.
- Add material to the feeding hopper and adjust water supply to achieve the desired consistency. Open time – approx. one hour.
- Add 4 - 5 litres of clean water per 20kg bag.
- Mix thoroughly for at least 10 minutes to break down additives.
- Apply a first pass of approx. 6mm
- Whilst the first pass is still wet embed alkali resistant reinforcing mesh into it, where required.
- Apply a second pass of approx. 8mm for insulation substrates, or 12mm for masonry substrates; rule to line and level.
- Do not polish.
- Small areas such as quoins and window reveals may be finished smooth.
- Protect doors, windows and other features from any overspray during application.

Textured Finish

- To achieve a textured finish, scraping should take place when the render has set but not hardened. The exact timing of this operation will vary according to the weather conditions.
- The surface is ready when a thumb impression cannot be made and when the aggregate scrapes easily from the matrix without sticking to the scraper.
- Scraping should be done in a tight circular motion and the surface brushed down with a soft brush upon completion.
- All areas must be scraped at the same stage of readiness, as early scraping will result in darker shades and late scraping in lighter shades.
- A uniform approach is essential to achieve an even finish.

Ashlar cutting

- Having scraped the surface level, an ashlar effect may be achieved by cutting into the surface with an ashlar cutter to form groves.
- Leave a minimum 10mm of coloured render between the recessed ashlar cut and the substrate (additional thickness of the second pass may be required to accommodate the depth of the ashlar cut).
- When forming cuts take care to avoid damage, by working away from external corners.
- All cuts must be the same width and depth and set out uniformly as required.

Dry Dash Finish

- Whilst the second pass is still plastic, throw washed aggregate onto the surface to give a uniform, dense coverage.
- Immediately tamp the aggregate particles onto the render surface with a wood float and ensure a good bond is obtained.

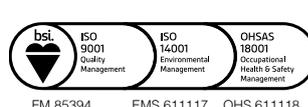
Spray Roughcast Finish

- Whilst the second pass is still plastic, adjust the spray machine and apply a light, spray roughcast texture to the surface.

Technical Advice

A Technical advisory service is available on request.

In line with our policy of continuous product development, we reserve the right to change technical data without notice.



Kilwaughter Minerals Ltd

For UK Sales

9 Starbog Rd, Lame, Co. Antrim, N. Ireland, BT40 2TJ

Tel: 028 2826 0766 Fax: 028 2826 0136

Email: Sales@K-Rend.co.uk

www.K-Rend.co.uk

For ROI Sales

Classis, Ovens, Co. Cork, Ireland

Tel: 021 4872733 Fax: 021 4871705

Email: Sales@K-Rend.co.uk

www.K-Rend.co.uk