K Rend
Silicone Coloured Renders

Product Data Sheet

Silicone K1

Silicone K1 is a water repellent, cement based, polymer modified, self-coloured render, requiring only the addition of water and 10 minutes mixing time. If applied as per manufacturer's instructions, Silicone K1 will provide an attractive, low maintenance finish. K Rend Silicone K1 is Kitemarked and CE marked to BS EN 998-1:2010 and also ISO 9001 approved.

Silicone K1 is specifically designed to incorporate the benefits of silicone water repellents into a cement-based render system.
Silicone adds a high water repellent quality, while allowing water vapour to pass freely through the render; thus the amount of dirt adhering to the surface is greatly reduced, ensuring a freshly rendered appearance for a prolonged period of time. This dry surface also improves the resistance of the finished render to algae growth and the natural phenomenon of lime-bloom.

One Coat Coverage:
1.6 kg / mm thick / sq m

One Coat Require:
26 - 32kg / sq m approx.
Nominal 16 - 20mm thickness

Silicone K1 is normally applied in two passes depending on background conditions and final finish required. 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 the specifier is satisfied with render coloure and texture
- K Rend materials are manufactured from natural products, slight shade variations may occur

KITEMARK CLASSIFICATIONS

Compressive Strength: CS II
Capillary Water Absorption Category: W2
Thermal Conductivity: P=50% - 0.43

APPLICATION

- Silicone K1 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 25kg sack
- Do not polish
- Small areas such as quoins and window reveals may be finished smooth
- Use polythene sheeting to protect doors, windows and other features from any over spraying during application

FIRST PASS

- Using a 12mm or 14mm diameter mortar nozzle, spray Silcone K1 directly on to the prepared wall surface to the required thickness of 4 - 8mm
- Level out immediately, using a straight edge, smoothing trowel or float
- Allow the first pass to stiffen before applying the second pass, the time between passes being shorter in warm dry conditions, and much longer in extreme wet conditions

SECOND PASS

- Use 8mm or 14mm diameter spray nozzle according to the finish required. The normal recommended finished thickness of most finishes is between 12 - 14mm

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FINISHES

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 grooves.

Leave a minimum 10mm of coloured K Rend between the recessed ashlar cut and the substrate.

- When forming cuts, take care to avoid damaging the arrises by working away from the external corner
- All cuts must be the same width and depth and set out uniformly as required

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

BSEN998-1 & BSEN998-2
Licence No. 514639

FM 85394 EMS 611117 OHS 611118

BSEN15824
Licence No. 580349

NSAI Agrément
Certificate No: 06/0248

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CERTIFICATE 97 / 3428
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Kilwaughter Minerals Ltd
For UK Sales
9 Starbog Rd, Larne, 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