

Product Data Sheet

K1 Spray+

K1 Spray+ is one coat two pass through coloured render which provides a fine texture finish. K1 Spray+ is designed for render spray machines as well as hand application. It is suitable for both new build and refurbishment projects. K1 Spray+ is available in 20 standard colours. When applied according to manufacturer's instructions, K1 Spray+ will provide an attractive, low maintenance finish. K Rend K1 Spray+ is a factory-made product, Kitemarked and CE marked to BS EN 998-1:2016 under an ISO 9001:2015 certified quality management system audited by BSI (Registration Number FM 85394).

K1 Spray+ is designed for use with most spray machines. It acts as a labour-saving application, cost effective one coat finish over most open-textured dense 7-10 N/mm² blockwork. The through-coloured render provides a popular texture finish. This product can be used on a variety of substrates.

One Coat Coverage:

1.6 kg / mm thick / sq m

*Coverage may be reduced if hand applied.

One Coat Requires:

26 - 32kg / sq m approx.

Nominal 16 - 20mm thickness

K1 Spray+ is normally applied in two passes depending on background conditions and the 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 colour and texture
- K Rend materials are manufactured from natural products, slight shade variations may occur

KITEMARK CLASSIFICATIONS



Compressive Strength: CS II

Adhesion after Weathering: 0.2 MPa (FP a & b)

Capillary Water Absorption Category: W_c2

Water permeability after weathering: ≤0.15 ml/cm² after 48 hours

Thermal Conductivity: P=50% - 0.44

Reaction to fire: A1

APPLICATION

- K1 Spray+ is designed for render spray machines as well as hand application.
- Add material to the feeding hopper and adjust water supply to achieve the desired consistency. Open time - approx one hour
- For hand application, add 4 - 5 litres of clean water per 25kg sack
- Mix thoroughly with drill and whisk for at least 10 minutes to break down the additives.
- 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 K1 Spray+ 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 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

FINISHES

Textured Finish

- To achieve a textured finish, scraping should take place when the render has semi-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 K1 Spray+ 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

Cleaning:

Clean tools and equipment with water immediately after use. Residue must not enter drainage systems.

IMPORTANT INFORMATION

Packaging and Storage

K Rend K1 Spray+ is supplied in 25kg paper sacks, palletised and shrink wrapped. Store unopened, off the ground in a dry location. When stored in these conditions, the shelf life is 12 months from date of manufacture.

Quality Control

All K Rend products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

Health and Safety

This product contains cement. Full health and safety advice can be found on the Standard Base Safety Data Sheet. It is advised that users wear safety goggles, face mask, gloves and coveralls when using cementitious products.

Harmful by inhalation. Irritating to eyes and skin. In case of contact with eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep out of reach of children. Clothing contaminated by wet cement should be removed immediately and washed before reuse.

The information provided in this datasheet is based on current knowledge and laboratory testing. In line with our policy of continuous product development, we reserve the right to change technical data without notice and the end user should ensure the latest document version is used. Kilwaughter Minerals Ltd accepts no responsibility or liability for the suitability of a product or its use, due to having no control over its application or conditions during application. Existing intellectual property rights are to be observed.



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