

Product Data Sheet

SILICONE SPRAY E GRADE

K Rend Silicone Spray E Grade 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 Spray E Grade will provide an attractive, low maintenance finish. K Rend Silicone Spray E Grade is ISO 9001 approved, and conforms to BS 5262 Type II.

K Rend Silicone Spray E Grade is specifically designed for use with an electrically powered spray machine. They are ideal for larger projects where the speed of machine application can offer time saving benefits. It acts as a one-coat finish over block-work. Coverage may be reduced if hand applied.

One coat coverage:
1.6kg / mm thick / sq m

Require:
26-32kg / sq m approx.
nominal thickness 16-20mm thickness

K Rend Silicone Spray E Grade 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

- 50mm 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 render colour and texture.
- K Rend materials are manufactured from natural products, and slight shade variations may occur.

Kitemark Classifications



Compressive strength: CS IV

Capillary Water Absorption Category: W2

Thermal Conductivity: P=50% - 0.42 & P =90% - 0.48

APPLICATION

- **K Rend Silicone Spray E Grade** may be applied using an electrically powered spray machine (e.g. M-Tec M300)
- 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 Silicone Spray E Grade 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.

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.

Dry Dash Finish

- Apply a butter coat of render to a uniform thickness, depending on the aggregate size.
- While the render is still plastic, throw washed aggregate on to the surface to give a uniform dense coverage.
- Immediately tamp the aggregate particles lightly into the butter coat with a wood float and ensure a good bond is obtained.

Tyrolean Finish

- The Silicone Spray E Grade mixture is applied in light sprays from a spatter machine, passing in an arc from 45° left to 45° right, and returning over the same area.
- Each pass will apply approximately 2kgs per square metre, with a thickness of 1.5mm per pass.
- A minimum coating thickness of 4mm with a weight of 5kgs per square metre is usually necessary to achieve a good density of coverage.

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



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