

# Product Data Sheet

## SILICONE WP

Silicone WP is a water repellent, cement based and polymer modified self-coloured render, requiring only the addition of water and 10 minutes mixing time. If applied as per manufacturer's instructions, an attractive, low maintenance textured finish is achieved. Silicone WP is ISO 9001 approved, and conforms to BS5262 Type III.

SILICONE WP 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.

SILICONE WP may be used over K Rend Base Coat as part of a two-coat system, each 10 - 12mm thick. It should be applied to a uniform thickness to line and level.

Coverage: 2kg per mm thick per sq metre

Required: 20-24kg per square metre appx.

SILICONE WP is also designed as a one-coat finish over block-work. It is applied to a minimum 16mm thick, possibly in two passes, and scraped to produce a uniform texture, thus saving labour and scaffold time.

Coverage: 2kg per mm thick per sq metre

Required: 32-34kg per square metre appx.

For insulation, concrete, refurbishment work or any other unusual substrate, seek technical advice.

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

## APPLICATION

- Mix thoroughly for at least ten minutes to break down additives.
- Add 4-5 litres of clean water per 25kg sack. Apply by hawk and trowel 10 - 16mm, depending on background and number of coats. Obtain a flat finish by using long darbys or spatula.
- Do not polish.
- Small areas such as quoins and window reveals may be finished smooth.

## 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

## ANGLES

Angles may be formed using angle and stop beads - stainless steel or PVC. Angles may also be formed using chamfered battens.

## EXPANSION JOINTS

Render expansion joints must follow structural movement breaks. For other expansion joints refer to BS5262.

## SITE CONDITIONS

K Rend should only be used when the temperature is between 5°C to 35°C.

K Rend renders must not be applied to frozen or thawing supports. If the coating must be applied in adverse weather conditions, it is essential to protect both the working area and finish before and after application.

## CLEANING

All equipment should be cleaned with water after use. Set nibs from the mixer can cause problems. Residue must not enter drainage systems.

## PACKAGING

- K Rend renders are usually packed 40 sacks per tonne, loaded 70 per 1.75 tonne pallet.
- All render sacks must be protected on site.
- Shelf life is approximately one year in dry conditions in original packaging.
- It is important to note that all K Rend renders are non-returnable.

## Product Data Sheet (contd.)

### GUARANTEE & TECHNICAL ADVICE

If stored and applied in accordance with manufacturer's recommendations, a Product Liability Insurance applies. A technical advisory service is available on request.

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