

Product Data Sheet

K REND GP MIX

K Rend GP Mix is a general purpose dry-mix rendering and masonry mortar requiring only the addition of water and mixing prior to use. It is designed to be used with brick and block as a masonry mortar, a rendering mortar (float coat) or as a bedding mortar for paving. When used as a render, GP Mix can be applied by hand using hawk and trowel or through electric and diesel spray machines. Designed to receive a finish such as K Paint (Silicone Masonry Paint).

GP Mix is factory made product, Kitemarked and CE Marked to BS EN 998-1:2016 and BS EN 998-2:2016 under an ISO 9001:2015-certified quality management system audited by BSI (Registration Number FM 85394).

FEATURES AND BENEFITS

- Factory produced to provide excellent consistency.
- 25kg bags for convenient on-site handling.
- Eliminates site mixing.
- GP Mix contains additives which help provide excellent workability.
- GP Mix can improve the air-tightness and sound insulation of concrete block walls.
- Cement replacement technology used to achieve a reduction in embodied carbon.
- Formulation designed to enable product to be sprayed through diesel and electric machines.
- Suitable for a floated and sponged finish.
- One coat, two pass application onto medium density blockwork.
- Can be used internally to receive a gypsum based plaster.

KITEMARK CLASSIFICATIONS:

EN998-1:2016:

Compressive Strength: CS III
Capillary Water Absorption Category: W_c2
Water Vapour Permeability: $\mu \leq 20$
Thermal Conductivity: P=50% - 0.71 W/m·K
Reaction to Fire: A1

EN998-2:2016:

Compressive Strength: M5
Initial Shear Strength (tabulated): 0.15 N/mm²
Water Vapour Diffusion Coefficient: $\mu \leq 20$
Water Absorption: <0.15 kg/(m²·min^{0.5})
Thermal Conductivity (λ_{10} , dry) (tab): P=50% - 0.71 W/(m·K)
Reaction to Fire (Class): A1

COVERAGE:

Dry Mortar:	1.6 kg/mm per m ²
Mixed Product:	Approximately 26 kg/m ² over 16 mm finished thickness.

APPLICATION:

- Substrates should be clean, sound and free from material that may reduce adhesion.
- For hand application, add 4 - 5 litres of clean water per 25kg sack. Mix using drill & whisk or tumble mixer for 5 minutes. Allow to stand for 5 minutes to allow additives to wet-out, then mix for a further 2-3 minutes.
- For machine application, add material to the feeding hopper and adjust water supply to achieve the desired consistency.

The following build-up is given as an example suitable for application onto open textured concrete block in exposure class areas up to and including Severe. Please seek technical advice from Kilwaughter for alternative substrates and exposure classes.

First Pass

- Apply product using spray machine or hawk and trowel to the prepared substrate to a thickness of 6 to 8 mm.
- Level out immediately using a serrated edge.
- Allow first pass to stiffen before applying the second pass. This time period will vary according to weather conditions.

Second Pass

- Apply product second pass to achieve a total render thickness of 16 mm minimum.
- Level out immediately using a straight edge. Allow to pick up before floating and sponging to a smooth finish. This time will vary according to temperature and humidity.

- Do not apply this product below 5 °C or above 35 °C or to frozen or thawing substrates.
- Avoid application to elevations in direct sunlight.

CLEANING:

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

IMPORTANT INFORMATION

Packaging and Storage

GP Mix is supplied in 25kg paper sacks, palletised and shrink wrapped. Store unopened, off the ground in a dry location at temperatures greater than 5 °C. 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.

Portland cement contains Chromium (VI) which may produce an allergic reaction. 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.

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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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