

## Product Data Sheet

### K MIX GP MORTAR AND K MIX THIN BED MORTAR

The K Mix mortar range incorporates a variety of dry, bagged construction mortars that require only the addition of water and mixing prior to use. K Mix GP Mortar and K Mix GP Mortar Coloured can be used for block and brick laying, scratch coats, bedding for paving and as grout for paving. K Mix Thin Bed Mortar has been specifically designed for use with aircrete block and other fast-track building systems.

K Mix GP mortars are Kitemarked and CE marked to BS EN 998-1 and manufactured in accordance with a quality system approved to BS EN ISO 9001:2015 by BSI registration number FM 85394.

#### FEATURES & BENEFITS

- Factory produced to provide excellent consistency and colour uniformity.
- 25kg bags for convenient on-site handling
- K Mix mortars contain air entraining agents which help provide excellent workability.
- K Mix GP Mortar can improve the air-tightness and sound insulation of concrete block walls.
- K Mix GP Mortar Coloured is available in Antrim White, Armagh Grey, Belfast Brown, Down Red and Tyrone Pine. Special colours can be manufactured on request.
- K Mix Thin Bed Mortar is designed for aircrete block and other fast-track building systems.

#### COLOUR

- Samples of K Mix GP Mortar Coloured are provided on request, for colour indication only.
- A site sample is recommended to ensure that the specifier is satisfied with the mortar colour.
- K Mix materials are manufactured from naturally occurring materials and slight shade variations may occur.

#### KITEMARK CLASSIFICATIONS

##### K Mix GP Mortar and GP Mortar Coloured

Workable life: 4hrs 28mins

Content of Chloride: 0.02%

Dry Bulk Density: 1400 kg/m<sup>3</sup>

Compressive Strength: Category M5

Initial shear strength: 0.15 N/mm<sup>2</sup> (tab. value)

Capillary water absorption: 0.17 kg/(m<sup>2</sup>.min<sup>0.5</sup>)

Water vapour permeability:  $\mu$  5/20

Thermal conductivity ( $\lambda_{10, dry}$ ): P = 50%, 0.43 W/m.K

Durability: (against freeze-thaw) based on provisions valid in UK and Ireland

Air content: 29%

Reaction to fire: Class A1

##### K Mix Thin Bed Mortar

Workable life: 4hrs 40mins

Content of Chloride: 0.02%

Dry Bulk Density: 1450 kg/m<sup>3</sup>

Compressive Strength: Category M5

Initial shear strength: 0.3 N/mm<sup>2</sup> (tab. value)

Capillary water absorption: 0.23 kg/(m<sup>2</sup>.min<sup>0.5</sup>)

Water vapour permeability:  $\mu$  5/20

Thermal conductivity ( $\lambda_{10, dry}$ ): P = 50%, 0.45 W/m.K

Durability: (against freeze-thaw) based on provisions valid in UK and Ireland

Air content: 21%

Reaction to fire: Class A1

#### APPLICATION

- Add 25 kg of K Mix mortar to 4-5 litres of clean water.
- Mix thoroughly for at least 5 minutes to break down the additives to give a slump free, easily worked material.
- K Mix GP mortar and GP mortar coloured are suitable for application with using traditional bricklaying tools, including a hawk and trowel and machine application.
- Do not apply this product at temperatures below 5°C or above 35°C.
- The product should not be applied to frozen or thawing substrates.
- In cold weather, or if frost is forecast, work should stop in time to allow the material to set sufficiently to prevent frost damage.
- During hot weather it is recommended that work follows around the building, to be continually working in the shade.

#### CLEANING

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

## HEALTH AND SAFETY

- Cement powder mixed with water releases alkali.
- It is important not to sit on wet material as harmful contact can occur through saturated clothing.
- Keep out of reach of children.
- Use barrier cream if necessary
- Eye protection is recommended.
- If gloves are worn, they should not be made from plastic or latex.
- Direct skin contact should be avoided.
- Access by unauthorised persons should be prevented during the period in which the mortar is green.

## PACKAGING & STORAGE

- K Mix Mortars are usually packed in 25kg sacks, with 40 sacks per 1 tonne pallet.
- All product sacks must be protected on site.
- The shelf life is approximately one year if stored off ground in original, sealed bags and protected against frost and away from direct sunlight.
- It is important to note that all K Mix products are non-returnable.

## TECHNICAL ADVICE

For use of this product, please seek technical advice by contacting your sales representative.  
If stored and applied in accordance with manufacturer's recommendations, a Product Liability Insurance applies.

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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