

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/m³

Compressive Strength: Category M5

Initial shear strength: 0.15 N/mm² (tab. value)

Capillary water absorption: 0.17 kg/(m².min^{0.5})

Water vapour permeability: μ 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/m³

Compressive Strength: Category M5

Initial shear strength: 0.3 N/mm² (tab. value)

Capillary water absorption: 0.23 kg/(m².min^{0.5})

Water vapour permeability: μ 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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