

KingFill[®] C75

High abrasion resistant low permeability cementitious grout for ceramic floor tiles

DESCRIPTION

Interior and exterior tile grout, suitable for grouting all types of ceramic tiles on floors where long durability is required.

APPLICATIONS

- ☐ For grouting of all types of ceramic tiles.
- ☐ Can be used internally and externally.
- ☐ Suitable for bathrooms and kitchens and wet areas.

ADVANTAGES

- ☐ Low absorption, minimizes color change.
- ☐ High abrasion resistance.
- ☐ Extended open/ wet time.
- ☐ Mould resistant.
- ☐ Water resistant, will not be affected in wet areas.
- ☐ Ready for use, just requires the addition of water.
- ☐ High bond strength.
- ☐ Suitable for internal and external applications.
- ☐ Available in a wide range of colors.

STANDARDS

KingFill C75 complies with EN13888 CG2.

METHOD OF USE

Substrate preparation

All surfaces must be clean and free from oil, grease or loose materials. Gap to be filled should not exceed 6mm to avoid slumping.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

1.6 liters of clean water should be added to clean container for each 5 kg. The powder is then added slowly to the water while mixing continuously with low speed mixer/ drill (400 - 600 rpm). Mixing time should be continued for 3 minutes until uniform consistency is obtained. Allow to stand for 3 minutes, and then mix again for 1 minute before using.

TECHNICAL PROPERTIES @ 23 ± 2°C

Compressive strength: EN12808-3	4 MPa @ 1 day @ room temperature
Working time:	≈ 90 mins. @ 20°C ≈ 30 mins. @ 35°C
Minimum application temperature:	5°C
Fresh wet density:	1.75 gm/ cm ³ average
Water absorption to BS EN12808-5 :	2002
Average test	Additional characteristics requirements (CG2) BS EN13888
0.11 after 30 mins	≤ 2 gm after 30 mins
1.06 after 240 mins	≤ 5 gm after 240 mins

APPLICATION

- ☐ Apply using a spatula or a scraper.
- ☐ Remove excess material from the face of the tile using a dry cloth.
- ☐ Finish by running the tip of the gloved finger over the surface or by using a suitably curved tool.
- ☐ After drying, clean tiles with a damp sponge.

It is recommended to remove grout from the tile surfaces before full setting of the grout. Failure to do so may result in difficulty in removing any remains.

Notes: Low temperatures (between 5°C) will affect the physical properties of the unset material.

During application and for at least 12 hours from application, the product should not be exposed to any water.

YIELD

The approximate yield of the grout can be calculated as per the following equation:

$$\text{Yield (m}^2\text{/kg)} = \frac{5.7}{\text{WD (0.02 + 1/L+1/H)}}$$

Where;

- L: Tile length (cm)
- H: Tile width (cm)
- D: Average joint depth (mm)
- W: Average joint width (mm)

Note: Grout yield subject to ±15% tolerance.



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PACKAGING

KingFill C75 is available in 5 kg bags.

CLEANING

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative.

KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from KingKrete's Qatar facility are manufactured under a management system independently certified to conform to the requirements of the quality standard ISO 9001.

* Properties listed are based on laboratory-controlled tests.

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STATEMENT OF RESPONSIBILITY

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NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.

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