

# KingFill<sup>®</sup> C600

**Exterior grade cementitious ceramic tile and stone grout for joints up to 6 mm with abrasion resistance, mould, stain and water repellency**

## DESCRIPTION

Interior and exterior tile grout, suitable for grouting all types of ceramic tiles on floors and walls when water repellent grout is required.

## APPLICATIONS

- ☐ For grouting of all types of ceramic tiles.
- ☐ Suitable for bathrooms, kitchens and wet areas.
- ☐ Non-sag, can be used for wall applications.
- ☐ Can be used internally and externally.
- ☐ High polymer content.

## ADVANTAGES

- ☐ Water repellent.
- ☐ Hygienic and mould repellency.
- ☐ Improved abrasion resistance.
- ☐ Stain repellency.
- ☐ Ready mixed, just requires the addition of water.
- ☐ High bond strength.
- ☐ Suitable for internal and external applications.
- ☐ Available in a wide range of colours.

## STANDARDS

KingFill C600 complies with BS5980 and BS EN13888 : 2002.

## 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 6 mm to avoid slumping.

### Mixing

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

1.6 - 1.7 litres 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.

## APPLICATION

- ☐ Apply using a spatula or a scraper.
- ☐ Remove excess material from the face of the tile using a dry cloth.

## TECHNICAL PROPERTIES

Compressive strength: EN12808-3	4 MPa @ 1 day @ room temperature) ≥ 15 MPa @ 28 days @ room temperature
Working time:	≈ 90 min @ 20°C ≈ 30 min @ 35°C
Minimum application temperature:	5°C
Fresh wet density:	1.75 ± 0.10 g/cm <sup>3</sup>
Resistance to abrasion: EN12808-2	491 mm <sup>3</sup>
Shrinkage:	0.025 mm/m
Water absorption after 240 mm: EN12808-5	1.7 g

- ☐ 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 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.*

## PACKAGING



# KingFill<sup>®</sup> C600

KingFill C600 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 manufacturing facilities 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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