

K-Grout GG

Cementitious color grout.

DESCRIPTION

K-Grout GG is a single component cementitious general purpose coloured tile grout based on a Portland cement, specially selected binders, polymers organic chemicals and colour pigments with water resistance and superior hygienic properties.

USES

In tiling situations were hygienic and wet conditions.

- Medicinal baths
- Dairies
- Commercial kitchens
- Battery stores
- Car washes
- Breweries
- Silos
- Stables
- Swimming pool decks
- Laboratories & clean rooms

ADVANTAGES

- Single component
- Non-toxic
- Waterproof
- Hygienic
- For both vertical and horizontal applications
- Suitable for internal and external applications
- Available in wide range of colours

PHYSICAL PROPERTIES*

PROPERTY	TYPICAL RESULTS
Compressive strength	>20 MPa – at 28 days
Flexural Strength	>3 MPa – at 28 days
Tensile Strength	>15 MPa – at 28 days
Water Absorption	<10%
Bond strength	>0.5 N/m ²
Shore 'D' Hardness	>70

*The above properties are average laboratory values

PACKAGING

K-Grout GG is available in 10 kg bag. Yield approximately 6.0 lt. per 10kg bag, when mixed with 3.6 lt. of clean water.

AVAILABLE COLOR

A Perfect Chemistry...A Durable Concrete

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Grey, white and beige. Other Standard colors depending upon minimum order quantity.

THEORETICAL COVERAGE RATE

Tile size (mm)	Joint width		
	2mm	3mm	4mm
25x25x6	1.9	2.8	5.6
50x50x6	0.8	1.2	2.4
100x100x10	0.8	1.1	2.2
100x100x13	1.0	1.4	2.8
100x200x10	0.6	0.8	1.6
100x200x13	0.8	1.1	2.2
150x150x10	0.6	0.8	1.6
150x150x13	0.7	1.0	2.0
150x150x19	1.0	1.4	2.8
200x200x10	0.4	0.6	1.2
200x200x13	0.6	0.8	1.6
250x250x10	0.3	0.4	0.8
300x300x10	0.2	0.3	0.6
300x300x13	0.2	0.3	0.6

APPLICOTION PROPERTIES

Water Mixing ratio	3.6 lt clean water per 10kg
Open time	Approx. 90 minutes
Application temperature	+10°C to +40°C
Load-bearing strength	After 8 hours
Maximum joint width	4 mm

SHELF LIFE

12 months when stored in factory packed unopened pails, stored in a cool dry and elevated place away from direct sunlight. Use product in opened containers as soon as possible.

INSTALLATION GUIDELINES

Kenal provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

SURFACE PREPARATION

The tile joints must be clean, free of any contamination.

MIXING

K-Grout GG is supplied as a single component cementitious product. Pour 3.6 lt. of clean water into suitable clean container and mix with low-speed drill (400-800 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve lump-free right smooth consistency and uniform color.

APPLICATION

K-Grout GG should be applied after 12 to 24 hours after application of the tile adhesive. This will help ensure uniform stress distribution at the bond line and maximum bond. Apply using a rubber grouting spatula or trowel, taking care to ensure that is well compacted into the joints. Excess material should be removed immediately from the tile surface using a damp cloth or sponge.

CURING

Once grouting has been completed and set in hot weather conditions, cure for two days by mist spraying with clean water at regular intervals (2 – 3 hours). In hot and windy conditions cure covering with polythene sheet sealed with masking tape after the initial mist spray.

PRECAUTIONS

- Ensure the temperature of the mortar does not exceed 35°C at the time of mixing.
- Do not use for tile joint width greater than 4mm.
- Do not apply to substrate that have free water standing.
- Do not apply to dry substrates.

TECHNICAL SUPPORT

Kenal offers full technical support package to specifiers, contractors and end users as well as technical assistance on site and after sales consultations.

HEALTH & SAFETY

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.