

# Cemafill GP

Single component coloured water resistant joint grout for tiles up to 6 mm thickness



## Description

Pre-mixed mixture of cement, redispersable powder polymer and dry powder fillers to produce a non sanded interior and exterior tile grout, suitable for grouting all types of ceramic tiles and stone on floors and walls.

## Applications

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

## Advantages

- ▲ Improved water resistance, will not be affected in wet areas.
- ▲ Ready mixed, just requires the addition of water.
- ▲ High bond strength.
- ▲ Suitable for internal and external applications.
- ▲ Non-toxic.
- ▲ Available in a wide range of colours.

## 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.

Mix 3 - 3.5 parts of Cemafill GP into 1 part of potable water by volume. 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 5 minutes before using.

### 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.

## Technical Properties:

Compressive strength: EN 12808-3	> 10 MPa @ 28 days @ room temperature
Working time:	≈ 90 min @ 20°C ≈ 30 min @ 35°C
Minimum application temperature:	5°C
Maximum application temperature:	45°C
Fresh wet density:	1.5 ± 0.1 g/cm <sup>3</sup>
VOC:	< 10 g/ltr

- ▲ 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.

## Cleaning

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

## Packaging

Cemafill GP is available in 0.5, 1 and 5 kg bags.

## Yield

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

$$\text{Yield (m}^2\text{/kg)} = \frac{6}{\text{WD} \left( 0.02 + \frac{1}{L} + \frac{1}{H} \right)}$$

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.

The following table can also be considered as a general guidance:



# Cemafill GP

Size of Tile	Tile Thickness	For 2 mm joint width consumption
5 x 5 cm	5.5 mm	0.80 ± 0.05 kg/m <sup>2</sup>
10 x 10 cm	5.5 mm	0.40 ± 0.05 kg/m <sup>2</sup>
10 x 20 cm	5.5 mm	0.30 ± 0.05 kg/m <sup>2</sup>
15 x 15 cm	5.5 mm	0.25 ± 0.05 kg/m <sup>2</sup>
15 x 20 cm	5.5 mm	0.20 ± 0.05 kg/m <sup>2</sup>
30 x 30 cm	7.5 mm	0.15 ± 0.05 kg/m <sup>2</sup>

## Storage

Cemafill GP has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

## Cautions

### Health and Safety

As Cemafill GP contains Portland cement, Cemafill GP may cause irritation to skin or eyes.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data Sheet.

### Fire

Cemafill GP is nonflammable.

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#### Note:

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