

Cemafill W

Performance submerged grade cementitious ceramic tile and stone grout for joints up to 8 mm with high abrasion resistance, mould, stain and water repellency (Formerly known as Aylagrout W)



Description

Premixed mixture of cement, redispersible powder polymer and dry powder fillers to produce a sanded high quality tile grout, suitable for grouting all types of ceramic tiles and stone on floors and walls in interior, exterior and submerged conditions. It is suitable for joints up to 8 mm.

Applications

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

Advantages

- ▲ Mould repellent.
- ▲ Water repellent.
- ▲ High abrasion resistance.
- ▲ Stain repellent.
- ▲ Ready mixed, just requires the addition of water.
- ▲ High bond strength.
- ▲ Suitable for internal, external and submerged applications such as pools and fountains.
- ▲ Available in a wide range of colours.

Standards

- ▲ Cemafill W complies with ISO 13007-3:2010, Type CG2AW.
- ▲ Cemafill W complies with BS EN 13888, Type CG2AW.
- ▲ Cemafill W complies with ANSI A118.6-1999.

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 8 mm to avoid slumping.

Mixing

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

Technical Properties:

Working time:	≈ 90 min @ 20°C ≈ 30 min @ 35°C
Minimum application temperature:	5°C
Fresh wet density:	1.7 g/cm ³
Resistance to abrasion: EN 12808-2	≤ 300 mm ³
Compressive strength: EN 12808-3 ANSI A118.6.4.5	> 17 MPa @ 28 days > 24 MPa
Tensile strength: ANSI A118.6.4.6	> 2.4 MPa
Flexural strength: ANSI A118.6.4.7	> 2.4 MPa
Shrinkage: BS EN 13888	< 0.05 mm/m
Water absorption after 240 min: EN 12808-5	< 4 g

1.4 - 1.5 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 a 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.
- ▲ 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.

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Al-Henaki Business Center, Tower C

Cemafill W

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.

Cleaning

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

Packaging

Cemafill W is available in 5 kg bags.

Yield

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

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

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.

Storage

Cemafill W 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 W contains Portland cement, Cemafill W may cause irritation to skin or eyes. Gloves and goggles should be worn.

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 Safety Data Sheet.

Fire

Cemafill W is not flammable.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
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- ▲ Protective coatings.
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- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
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Note:

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