

Cemafill Stone

High performance cementitious tile grout and stone pointing mortar for joints up to 20 mm (Formerly known as AylagROUT Stone)



Description

Cemafill stone is cementitious tile grout and pointing mortar for bricks and natural stone suitable for wide joints up to 20 mm. The high abrasion resistance and the reduced water absorption characteristics make Cemafill stone suitable for both of internal and external applications.

Cemafill Stone is available in wide range of brilliant colours that provide a uniform and aesthetic joint appearance.

Applications

- ▲ Specially designed for bricks and stone pointing for joints up to 20 mm.
- ▲ Suitable for commercial and residential buildings.
- ▲ Suitable for bathrooms, kitchens and other wet areas.
- ▲ Non-sag, excellent for wall applications.
- ▲ Excellent for internal and external applications.

Advantages

- ▲ Specially designed for wide joints grouting.
- ▲ High abrasion resistance.
- ▲ Reduced water absorption properties, suitable for wet areas.
- ▲ Low shrinkage rate, free of cracks.
- ▲ Uniform colour, for aesthetic joint appearance.
- ▲ Easy to apply, non-sag with good workability.
- ▲ Available in wide range of brilliant colours.

Limitations

Do not use for:

- ▲ Joint widths exceeding 20 mm.
- ▲ Grouting tiles in industrial floors where high chemical resistance is required.
- ▲ Cases where a rapid utilization of surfaces is required.
- ▲ Filling expansion, contraction or construction joints in walls and floors. These joints should be filled with a suitable flexible sealant from the DCP Flexseal range.

Technical Properties @ 23 ± 2°C. W/P = 0.21:

Fresh wet density:	1.90 ± 0.1 g/cm ³
Compressive strength: ISO 13007-4,4.1.4	> 15 MPa @ 28 days
Flexural strength: ISO 13007-4,4.1.3	> 2.5 MPa @ 28 days
Working time:	70 - 90 min
Shrinkage: ISO 13007-4,4.3	< 3.0 mm/m
Abrasion resistance: ISO 13007-4,4.4	< 1000 mm ³
Water absorption: ISO 13007-4,4.2	< 5 g @ 240 min
VOC: ASTM D2369	< 10 g/ltr (complies with LEED)

Standards

Cemafill Stone complies with the following standards:

- ▲ ISO 13007-3 and BS EN 13888 as an improved cementitious grout with additional characteristics of reduced water absorption and high abrasion resistance (CG2AW).
- ▲ ANSI A118.6 as a standard cementitious grout.

Method of Use

Substrate Preparation

Before grouting, ensure that the adhesive has completely dried and hardened. Adhesive should be left for 24 hours before applying the grout, unless rapid setting adhesive is used.

All tiles and joints must be clean and free from oil, grease or loose materials.

Remove the tile spacers and ensure that the grout joints are uniform and their widths do not exceed 20 mm to avoid slumping.



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Mixing

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

5.0 - 5.5 litres of clean fresh water for each 25 kg bag (water/powder ratio of 0.20 - 0.22 by weight) should be added to a clean container. The powder is then added slowly to the water while mixing continuously at low speed (400 - 600 rpm).

Mixing time should be continued for 3 minutes until a uniform consistency and free of lumps mixture is obtained. Allow a slake time for 5 minutes, then remix for additional 1 minute without adding any more water.

Important: Adding too much water will weaken the joints, cause surface discoloration and promote the formation of cracks. Always follow the mentioned mixing ratio.

Application

- ▲ Using appropriate spatula or rubber float, fill with pressure the joints completely with Cemafill Stone.
- ▲ Immediately remove the excess grout by moving the spatula or the edge of the rubber float diagonally to the tiles.
- ▲ When the grout starts to set (usually 20-30 minutes at normal conditions), use a damp sponge in a circular motion to remove the excess grout and level the joints.
- ▲ After drying, clean the tiles surface using a dry cloth.

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 and makes it necessary to use a mechanical means in cleaning, which may scratch the tile surfaces.

Cleaning

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

Packaging

Cemafill Stone is available in 25 kg bags.

Yield

Yield will vary depending on joint size and stone size.

Storage

Cemafill Stone 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 Stone contains Portland cement, Cemafill Stone 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 Stone is nonflammable.

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- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

