

CIKOtile Grout



Standard un-sanded cement based tile joints grout

Description

CIKOtile Grout is a cement based factory pre mixed tile grout suitable for filling tiles gaps in both horizontal and vertical applications having width of 4 mm and narrower. It is available in wide range of colours to closely match the tile colours.

CIKOtile Grout is a factory blended powder consisting of cement as binder, adhesion enhancing polymers, pigments and special additives. It requires addition of water and proper mixing at site for usage.

Properties & Advantages

- Single component system, easy to mix and use.
- Suitable for internal applications
- Available in wide range of colours.
- Provides good workability and pot life.
- Excellent bond strength to ceramic and porcelain tiles.
- Low shrinkage
- Abrasion resistant
- Economical

Application Area & Uses

CIKOtile Grout is a standard performance un-sanded tile grout used for filling joints between tiles. It is compatible with most of the tiles such as ceramic, porcelain, marble, granite and natural stones tiles installed in:

- Corridors, walkways, bedrooms, living rooms, offices, showrooms
- Commercial and public utility buildings.
- Areas not subjected to extreme variation in temperature, moisture and relative humidity.
- Common dry areas.

Applicable standards

CIKOtile Grout complies with minimum performance requirements of:

- BS EN 13888 & ISO13007-3 Code CG1-A
- ANSI A118.6 (Un-Sanded Grout)
- Qatar Construction Specifications QCS.

Physical properties

Form	Powder
Colour	As per CIKOtile Grout physical colour chart
Working time	30-35 minutes @ 25 ⁰ C
	20-25 minutes @ 35 ⁰ C
W/P	0.25-0.3
VOC (USEPA-24)	≤0.01 g/g
Compressive Strength EN12808-3/ ISO13007-4	≥22 N/mm ² (28 days)
Compressive Strength ASTM C109	≥25 N/mm ² (28 days)
Flexural Strength EN 12808-3/ ISO13007-4	≥4 N/mm ²
Water Absorption EN12808-5/ ISO13007-4	<3 g (30min) <6 g (240min)
Shrinkage EN12808-4/ ISO13007-4	≤1.5 mm/m
Abrasion Resistance EN12808-2/ ISO13007-4	≤1000 mm ³
Linear Shrinkage ASTM C531	≤ 0.03% (1 day)
	≤ 0.1% (7 days)
Water Absorption ANSI A118.6-H4.4	≤ 12% (50% R.H. to immersion)
	≤ 15% (dry to immersion)

*All tests are conducted at W/P=0.25

Coverage

CIKOtile Grout Coverage depends on the tile's dimensions and the width of joint. Theoretical Coverage in Kg/m² is equal to:

$$= \frac{(L + B) \times W \times D \times 1.8}{(L \times B)}$$

Where:

L= length of tile (mm)

B= breadth of tile (mm)

W= width of joint (mm)

D= thickness of the tile (mm)

Note: This coverage is theoretical. On site application may depend on many factors and onsite wastage.

Contact CIKO technical services department for further assistance.

Application instructions

Tile joints preparation

The tile joints must be cleaned to remove un-bonded and excess tile adhesive used for fixing tiles using scrapper, brush or any suitable tool. All contaminations, dirt, paint and loose material must be removed. Use an air blower to ensure no deposits in the joint then clean it with water just before application of CIKOtile grout.

Mixing

Pour 5 up 6 litres of potable water in a clean container of minimum capacity 20 L, dispense the 20kg powder gradually while mixing using heavy duty adjustable speed drill-paddle mixer assembly. Mix at least 3 to 4 minutes at high speed so that the mixed material attains a thick, trowel-able and lump free consistency.

The amount of water should be minimal to attain better properties of CIKOtile grout.

Note: In hot weather application, use chilled water to extend the working time and pot life of grout.

Application method

Fill the properly mixed material in the clean tile joints using scrapper, steel trowel or rubber float. Remove excess of material from tile's surface. Allow the grout to reach the initial setting time, and then finish the applied grout using wet cloth/sponge. Grout stains in the tiles must be cleaned using wet sponge or cloth.

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Packaging

CIKOtile Grout is available in 10 and 20kg moisture resistant bags.

Storage

CIKOtile Grout should be stored under enclosed shaded areas at temperatures between 5°C and 35°C.

Shelf life

CIKOtile Grout has a shelf life of 12 months when stored in its unopened original packaging as per CIKO's recommendations.

Health & safety

Use standard dust mask to avoid inhalation of dust. Powder when wet or moist can cause burns to skin and eyes which should be protected during use. If comes in contact with skin/eyes, flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

Technical Support

For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

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A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control