

CIKOSTone Grout

Smart Chemical Solutions



Cement Based tiles and stone grout

Description

CIKOSTone Grout is cement based pre-mixed tile and stone grout especially designed to fill joints of natural stone up to a width of 20 mm. CIKOSTone Grout is suitable for interior and exterior applications. CIKOSTone Grout is available in wide range of colours. It requires only addition of water at site for usage.

CIKOSTone Grout is a factory blend of cement, adhesion enhancing polymers, specially graded fine aggregates, pigments, water resistant agent and other chemical additives.

Properties

- Single component system suitable for indoor and outdoor applications.
- Specially designed for bricks and natural stones.
- Easy to mix and use.
- Suitable for underwater and moist conditions.
- Suitable for trafficable areas with high abrasion resistance.
- Available in wide range of colours.
- Provides good workability and excellent bond strength.
- Suitable for non-uniform joints in width and direction.
- Low shrinkage and crack resistant
- High resistance to fungal growth and especially to aerobic fungus of Aspergillus species.

Application area

CIKOSTone Grout is a high quality tile and stone grout and can be used for filling joints between tiles and stones. It is compatible with most of the tiles such as ceramic, mosaic, marble, glass and natural stone tiles. It is suitable in the following indoor and outdoor applications

- Bathrooms and kitchens.
- Swimming pool and surrounding areas.
- Commercial and public utility buildings.
- Food packaging areas.
- All wet/damp areas.

Applicable standards

- CIKOSTone Grout complies with minimum specifications requirements of ISO 13007 code: CG2AW

Physical properties

Form	Powder
Bulk Density	1.4 ±0.05 g/cm ³
W/P ratio	0.2
Colour	Standard colours
Fresh Density	2.15±0.05 g/cm ³
Working time	60-80 minutes @ 25 ⁰ C
VOC	<10g/L
Compressive Strength 28 days ISO13007-4	>15 Mpa
Flexural Strength 28 days ISO 13007-4	>3 Mpa
Water Absorption 28 days ISO13007-4 (240 mins)	<5 g

Coverage

20 Kg bag of CIKOSTone Grout yields to 11-11.2 L of fresh material.

Note: The coverage mainly depends on tile size, thickness and joint width and joint shape. Contact CIKO technical services department for further assistance.

Application instructions

Surface preparation

The tile joints must be cleaned to remove un-bonded and excess tile adhesive used for fixing tiles and stones. Ensure that the adhesive is dry, hardened and aged 24 hours at least. All contaminations, dirt, paint and loose material must be removed and clean the joints with water just before application of tile grout. In case the Stone surface is highly porous, saturate the joints with water.

Mixing

Place 4 L of clean water in a clean container. Then the powder is added slowly to the container while mixing continuously using a heavy duty low speed drill-paddle assembly. Mixing time should be at least 3 minutes to achieve a uniform consistency and lumps free mixture.

Allow the mixed material to rest 5 minutes and then remix for 1 minute before starting the application.

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

Note: In hot weather application, use chilled water to extend the open time of the mixed material.

Application method

Fill the tile joints with the mixed material by pressing the material into the joint using a spatula or a rubber float. Immediately remove the excess of grout by moving the rubber float or spatula diagonally to the tile or stone, once the grout starts to set, use a damped sponge in a circular motion to remove the excess grout and level the joints.

Grout stains on the tiles or stones must be cleaned using wet sponge or cloth.

Packaging

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

Shelf life

CIKOSTone Grout has a shelf life of 12 months in un-opened bags and if stored in accordance with CIKO instructions.

Storage

CIKOSTone Grout should be stored under enclosed shaded area.

Health & safety

Use light mask to avoid inhalation of dust. Powders 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.

More from CIKO Middle East

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