

CIKOSTONE FLOGROUT سيكو الشرق الأوسط MIDDLE EAST

Single component, High strength pourable cement based tiles and stones grout

Description

CIKOstone FloGrout is cement based factory pre-mixed tile and stone grout especially designed to fill horizontal joints of natural stones having width ranging from 2 up to 15 mm applied in areas requiring heavy duty service.

The material is available in wide range of colours which requires only addition of water and proper mixing at site for application.

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

Properties & Advantages

- Single component system suitable for indoor and outdoor applications.
- Specially designed for bricks and natural stones.
- Easy to mix and apply due to its flow able consistency.
- Suitable for underwater and moist conditions.
- High strength and high abrasion resistance suitable for vehicular trafficable areas.
- 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

Application area

CIKOstone FloGrout 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 stones. It is suitable to be applied as tiles joint grout indoor and outdoor applications as following:

- Vehicular traffic stones/granite paved roads.

- Swimming pools tile or brick paved surroundings
- Grout for Patio paved areas in landscaping.
- Stone or precast concrete paved walkways in gardens and parks.

Applicable standards

CIKOstone FloGrout complies with minimum performance requirements of:

- BS EN 13888 and ISO 13007-3 code: CG2-WA
- BS EN 7533-12 table-2

Physical properties

Form	Powder
W/P ratio	0.14-0.16
Maximum Aggregate size	1 mm
Colour	Available in wide range
Fresh Density	2.42 ± 0.02Kg/L
Working time	40-50 minutes @ 25 ⁰ C 25-35 minutes @ 35 ⁰ C
VOC USEPA Method 24	≤0.01 g/g (less water)
Compressive Strength	≥30 N/mm ² @ 7 days
ISO13007-4/ BS1015-11	≥40 N/mm ² @ 28 days
Flexural Strength	≥4 N/mm ² @ 7 days
ISO13007-4/ BS1015-11	≥6 N/mm ² @ 28 days
Pull off bond strength	≥1.5 N/mm ² @ 28 days
BS EN 1015-12	
Abrasion Resistance	≤1000 mm ³
ISO13007-4	
Linear Shrinkage	≤1.5 mm/m
ISO13007-4	
Volume Change	≤0.1%
BS EN 445	
Water Absorption	≤2 g (30 minutes)
ISO13007-4	≤5 g (240 minutes)

Note: all tests are conducted at W/P=0.14

Coverage

20 Kg bag mixed with 2.8 L up to 3.2 L of Water yields 9.35 L up to 9.65 L of fresh grout material.

25 Kg bag mixed with 3.5 L up to 4 L of Water yields 11.7 L up to 12 L of fresh grout 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 unbonded and excess tile adhesive or bedding mortar used for fixing tiles and stones. Ensure that the adhesive is dry, hardened and aged at least 24 hours. When used in conjunction with CIKOtile BS40 bedding mortar, it is applicable to apply CIKOstone Flogrout using the wet on wet technique to ensure monolithic system.

Mixing

Place 2.8 up 3.2 L of chilled water in a clean container of minimum capacity 20L. Dispense the 20 kg powder gradually to the container while mixing continuously using a heavy duty adjustable speed drill-paddle mixer assembly.

Mix at high speed for at least 3 minutes to achieve a uniform flow able consistency and lumps free mixture.

Allow the mixed material to rest 2 minutes and then remix for 1 minute before starting the application.

Application method

Pour the properly mixed grout into the tile joints using a pouring pot and aid its penetration in 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 followed by dry cloth wiping.

Packaging

CIKOstone FloGrout is available in 20 kg and 25 kg moisture resistant bags.

Storage

CIKOstone FloGrout should be stored under enclosed shaded area at temperatures between 5°C and 45 °C.

Shelf life

CIKOstone FloGrout has a shelf life of 12 months in unopened original bags when stored in accordance with CIKO instructions.

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

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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



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