

CIKOtile AD



Standard performance general purpose tile adhesive

Description

CIKOtile AD is a cement based factory pre mixed tile adhesive designed for horizontal and skirting applications over concrete and screed surfaces. It requires addition of water and proper mixing at site for usage.

CIKOtile AD is a factory blended powder consisting of cement, graded selected sand, rheology modifier and other chemical additives.

Properties & Advantages

- Single component system easy to mix and apply.
- Good slip resistance.
- Good open time at standard conditions
- Provides good workability and open time.
- Good bond strength.
- Heat resistant

Coverage

Each bag of 25 kg CIKOtile AD mixed with 4 L up to 4.5 L of water yields 14.5 L to 15.5 L of fresh adhesive that provides coverage as below

4*4 mm Notched	7.25 to 7.75 m ²
6*6 mm Notched	4.8 to 5.15 m ²
10*10 mm Notched	2.9 to 3.1 m ²
20*20 mm Notched	1.45 to 1.55 m ²

Coverage rate may vary depending on substrate conditions and finish. Bedding thickness can be maintained from 2mm to 12 mm thick solid bed.

Note: the coverage of 4*4 mm notched results in 2 mm thick solid bed.

Application area & uses

CIKOtile AD is a general purpose tile adhesive suitable for indoor horizontal and skirting thin setting applications to fix ceramic, porcelain, and natural stone tiles

Applicable standards

CIKOtile AD complies with minimum performance requirements of:

- ANSI A118.1
- BS EN 12004 & ISO13007-1 code C1-TE
- Qatar Construction Specifications (QCS)

Physical Properties

Form	Powder
Colour	Grey or White
W/P	0.16-0.18
Fresh Density	1.95 ± 0.05 kg/L
Tensile Bond Strength BS EN 1348	≥0.75 N/mm ²
	Initial Adhesion
	≥0.5 N/mm ²
	Water immersion
Tensile Bond Strength (Open Time) BS EN1346	≥0.6 N/mm ²
	Heat Ageing
	≥0.5 N/mm ²
Slip Resistance BS EN 1308	Freeze-Thaw Cycle
	≥0.65 N/mm ²
VOC USEPA 24	(20 mins)
	≥0.5 N/mm ²
	(30 mins)
	<0.5 mm
	<0.1g/g

Application instructions

Substrate and tiles preparation

The substrate surface should be free from dust and loose particles. In case of traces of oil and grease, the surface shall be treated by acid etching or sand blasting. Curing compounds and sealers, if present, must be removed by mechanical means such as wire brushing or diamond disk grinding. Upon ensuring a sound and clean substrate, wet and saturate the substrate surface and tiles' bottom surface with clean water just before the application of CIKOtile AD.

Mixing

Pour 4 up 4.5 litres of clean water in a container of minimum capacity 25 L, dispense the powder gradually while mixing using heavy duty adjustable speed drill-paddle mixer assembly. Mix at least 3 minutes at high speed so that the mixed material attains a thick, trowel-able and lump free consistency.

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

Application method

Spread the mixed material over the saturated surface dry area (no standing water) to a uniform thickness. Comb the applied surface using a semi-notched trowel. Use a rubber hammer to tap the tile, and press it firmly to the adhesive bed in perpendicular motion to notched lines and ensure that the tile is firmly bonded to the substrate. Adjust the tile within 5 to 10 minutes after initial positioning.

At high ambient temperatures, it is advisable not to increase the spreading area over the surface so that installation of the tiles takes place within the open time of the adhesive (10 to 15 minutes). In case of skin formation of the adhesive surface, remove and replace with fresh materials.

Packaging

CIKOtile AD is available in 25kg moisture resistant bags.

Storage

CIKOtile AD should be stored under enclosed shaded areas at temperatures between 5°C and 45°C.

Shelf life

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

Precautions

- When used over gypsum surfaces, light weight panels, light weight blocks, cement board or any other substrates having high surface absorption, It is recommended to seal the substrate using CIKObond PVA or CIKObond AC and allow drying prior to the application.

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.

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

TDS/TAG21 Rev.:4 Issue:C

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



ص. ب. رقم : ٢٩٥ ، الدوحة - قطر
ت : (+974) 4411 4787 ، 4411 4790 ، 4411 4787
فاكس : (+974) 4411 4792

P.O.Box : 295, Doha, Qatar
T.: (+974) 4411 4787 / 4411 4790 / 4411 4794
F.: (+974) 44114792
E-mail: enquiries@cikome.com