

CIKOcoat 2K

Smart Chemical Solutions



سيكو الشرق الأوسط
MIDDLE EAST

Two components, Polymer Modified Cement Based Fairing Coat

Description

CIKOcoat 2K is two components pre-weighted ready to mix latex modified cement based fairing coat. CIKOcoat 2K consists of cement-based powder [Part-A] mixed with latex modified liquid [Part-B] to create a fairing coat material suitable for interior and exterior use to resurface concrete and plaster. CIKOcoat 2K is applicable from 1 mm up to 10 mm thick for overhead and vertical repair surfaces.

CIKOcoat 2K is a balanced blend of cement as binder, graded silica sand, cement replacements, rheology modifiers and latex polymer liquid containing chemical additives.

Properties

- Pre-packed Two component system.
- Easy to mix on site.
- Water Resistant and durable fair coat layer.
- Resistant to chlorides and carbon dioxide.
- Can be applied to a thickness from 1 mm up to 10 mm.
- Frost and salt resistant; suitable for all climates.
- Low VOC.

Application area

- All types of restoration work involving repair on concrete and plaster.
- Vertical and overhead repairs.
- Building repairs in coastal areas.
- Filling blowholes and re-profiling of concrete surfaces.
- Potable water tanks.
- Pre-cast concrete parts.
- For repairing honeycombs in concrete.

Physical properties

Form	Part A: Powder Part B: Liquid
Colour	Cement grey (Mixed)
Pot life	>25 min @ 25 ⁰ C
Fresh Density	1850 ± 50 kg/m ³
Mixing Ratio(P/L)	3:1 by Weight
Adhesion bond strength BS EN 1015-12 (28 days)	>1MPa
Compressive Strength ASTM C109 (28 days)	>10MPa

Coverage / Yield

A 20kg Kit of CIKOcoat 2K properly mixed yield to 10.5-11 L of fresh material covering 10.5-11 m² @ 1 mm thickness.

Note: The coverage depends on the substrate condition and finish. Consult CIKO technical service department for further guidance.

Application instructions

Surface preparation

Clean the concrete surface to remove loose and unsound materials by water blasting or any other suitable mechanical means. Detergent scrubbing shall be used to clean oil or grease. Sand or grit blasting along with mechanical grinding can also be done to clean and roughen the surface. Wet the surface with ample water before application of fairing coat until achieving a surface saturated dry (SSD) condition.

Mixing

CIKOcoat 2K is two components ready to mix material needing only proper mixing on site. Dispense [Part-A] (powder) of CIKOcoat 2K slowly and gradually into the mixing vessel containing approximately 80% of total [Part-B] (Liquid) and start mixing using a heavy-duty medium speed drill-paddle assembly. Mix the mortar for 3 minutes to get a homogenous, lump free mix.

Add the balance 20% of [Part-B] (liquid) and continue mixing up for a total duration of 5 minutes. Assure that the mixture is homogeneous and free of powder lump prior proceeding with the application.

Small quantities not exceeding 2kg can be mixed manually with a spatula or other suitable hand mixing tools adhering to the mixing ratio 3 to 1 by weight.

Placing

Place the mixed material within its working time or pot life using a steel trowel or putty knife on the cleaned and saturated dry surface. Press firmly and pass the trowel/knife so that the material fills pinhole and blowholes. Allow the surface to touch-dry and then fill the area up to 10 mm or as required to have a united finish and colour. Finishing can be done in similar way as that of normal plaster.

Curing

No curing is required under moderate ambient condition. However, under rapid drying conditions, curing with any of CIKOcure range of material is required. The curing agent should be sprayed in a continuous film.

Precautions

- Application temperature must be between 5^o C - 35^o C.
- Do not temper the material after initial mix.
- When applied on highly porous and absorbent substrates such as normal gypsum boards, ACC panels etc. It is advisable to seal the substrate using CIKObond PVA.

Packaging

CIKOcoat 2K is available in 20Kg Kit consisting of 15Kg powder [Part-A] packed in moisture resistant bags and 5 Kg liquid [Part-B] filled in plastic pails.

Shelf life

CIKOcoat 2K has a shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

CIKOcoat 2K should be stored under cool enclosed shaded area at temperatures between 5^oC and 40^oC.

Health & Safety

Use standard dust 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