

CIKOcem SCR 2K

Cementitious pre-bagged fibre reinforced screed mix

Description

CIKOcem SCR 2K is two components; fibre reinforced pre-bagged cementitious screed mix that is mixed with a special grade of polymer latex to produce a high quality floor screed.

CIKOcem SCR 2K is a blend of selected cement type, graded aggregates, polymer and other specialty additives to provide a seamless, heavy duty durable floor. It can be applied to a thickness from 10 - 50mm in single pour [Note: for applications requiring higher thickness, consult CIKO technical services department].

Properties

- Easy to use.
- Reduced shrinkage.
- Crack free floor on curing.
- Low permeability.
- Pre-bagged; requiring only addition of polymer latex and water.
- Provides a heavy duty, durable floor.

Application area

CIKOcem SCR 2K as floor topping and underlayment system is suitable for,

- Floor screeds.
- To replace old damaged concrete floors.

Physical properties

Form	Two component system Part-A : Powder Part-B : Liquid
Colour	Grey in general
Mixing ratio	Pre-weighed packs
Pot life @ 25 °C	Min.30 minutes
Compressive Strength ASTM C 109	≥16 N/mm ² - 24 hours ≥24 N/mm ² - 7 days ≥30 N/mm ² - 28 days
Flexural strength	≥8 to 10 N/mm ²

Coverage

CIKOcem SCR 2K will provide yield of 13.5 litres on mixing 25kg Part-A with 1 ltr Part-B and 2.5 ltr water.

Application instructions

Surface preparation

The concrete 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. All cracks and holes must be repaired with CIKOcem SCR 2K made to mortar consistency. All contamination should be well treated before application of primer. Wet the surface with clean water just before application of primer.

Application

Priming:

Properly cleaned surface should be applied with a slurry coat using notched trowel. Slurry coat should be prepared using cement and CIKObond SBR. Care should be taken and ensure that CIKOcem SCR 2K is applied over the wet primed surface.

Mixing

CIKOcem SCR 2K is a ready to use material requiring only mixing of Part-A [powder component], Part-B [liquid component] and 2.0 to 2.5 litres of water. Add the measured amount of water and liquid component into the mixer. Slowly add Part-A powder into the mixer while the mixer is in running mode. Mix the material for 4 - 5 minutes to get a homogenous and lump free material.

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

Placing

Properly mixed material should be spread over the primed surface using notched trowel maintaining the required thickness.

Curing

The finished floor should be cured as per standard curing procedures. In case of membrane curing system, immediately after the final finish, CIKOcure AC can be applied on the surface and allow drying.

Packaging

CIKOcem SCR 2K is available as kits consisting of Part-A in 25 kg bags and Part-B in 1 litre cans.

Shelf life

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

Storage

CIKOcem SCR 2K should be stored under enclosed shaded area at temperatures between 5 – 35°C.

Precautions

CIKOcem SCR 2K should not be applied at temperatures below 5 °C.

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/FT18 Rev.:1 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 4794
فاكس : (+974) 4411 4792
+٩٧٤ ٤٤١١ ٤٧٩٤ ، ٤٤١١ ٤٧٩٠ ، ٤٤١١ ٤٧٨٧

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