

CIKOcem Screed 40

Cementitious pre-bagged fibre reinforced screed mix

Description

CIKOcem Screed 40 is ready to use fibre reinforced pre-bagged cementitious screed that is mixed with a special grade of polymer to produce a high quality floor screed.

CIKOcem Screed 40 is a blended 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 – 40 mm in single pour.

For higher thicknesses consult CIKO technical team.

Properties

- Easy to use requiring only addition water.
- Reduced shrinkage.
- Crack free floor on proper curing.
- Smooth finish
- Provides a heavy duty, durable floor.

Application area

CIKOcem Screed 40 as floor topping and underlayment system is suitable for,

- Floor screeds and floor levelling prior to tiling works.
- To replace old damaged concrete floors.
- Underlayment for cementitious and epoxy based self-levelling and coating systems.

Physical properties

Form	Powder
Colour	Grey in general
Fresh Density	2.15-2.2 Kg/L
W/P Ratio	0.12-0.13
Pot life @ 25 °C	Min.30 minutes
Application thickness	10 to 40 mm
Compressive Strength ASTM C 109	≥30 N/mm ² - 28 days
Flexural strength	≥7 N/mm ²

Coverage/Yield

25kg bag of CIKOcem Screed 40 will provide 13litres of screed.

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. All contamination should be well treated before application of primer. Make sure the surface is dry with moisture content less than 4 % before application of primer.

Priming:

Properly cleaned surface should be primed with CIKOBond EPL using a brush or a roller at a rate of 0.1 to 0.15 ltr/m² and apply the screed within the working time of the primer. Refer to TDS of CIKOBond EPL for additional information.

Mixing

CIKOcem Screed 40 is a ready to use material requiring only addition of 3 to 3.25 litres of water for every 25kg bag. Mix the material for 3 - 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 while still tacky using notched trowel maintaining the required thickness and tamped well in place with wooden or aluminium float.

CIKOcem Screed 40 shall be finished using a steel trowel to achieve the required smoothness and to fully seal the surface.

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 Screed 40 is available in 25kg moisture resistant bags. For larger packaging please consult CIKO team.

Shelf life

CIKOcem Screed 40 has a shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

CIKOcem Screed 40 should be stored under enclosed shaded area at temperatures between 5 – 35°C.

Precautions

CIKOcem Screed 40 should not be applied at temperatures below 5 °C and greater than 40°C.

CIKOBond EPL should not be applied on surfaces with temperature greater than 40°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

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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

