Technical Data Sheet

QUALITY GUARANTEE

Cicofloor®Leveltop ML Thick

Multipurpose Thick Cementitious Self-Leveling Flooring System

DESCRIPTION

Cicofloor®Leveltop ML Thick is a multipurpose, self-leveling high flowability cementitious flooring system with mild setting properties without shrinkage. It is supplied as a dry powder which requires only the addition of water to produce a smooth, free flowing, and self-leveling mortar. It can be used for leveling uneven concrete floors. Cicofloor®Leveltop ML Thick is available for layer thickness of 10-60 mm.

USES

- Underlayers of architectural flooring finishing, like tiling, vinyl, carpets, and moquette.
- Flooring patch self-leveling, and open repair.
- High wearing floorings.
- As an intermediate body layer for Epoxy and polyurethane flooring systems.

ADVANTAGES

- Self-leveling.
- Good compressive strength.
- Easy application, just add water.
- UV resistant.
- Economic.
- Non-shrink.
- High bonding to concrete.

PACKAGING

25 kg bag.

SHELF LIFE & STORAGE

12 months storage life if stored in its original unopened containers under a dry and shaded place.

TECHNICAL PROPERTIES

Form	Grey Powder
Density @ 25°C	2.00 Kg/ltr
Application open time @ 25°C	20±5 min.
Initial setting time @ 25°C	80±5 min.
Foot traffic @ 25°C	72 hrs.
Yield (25kg bag)	14.75
Consumption	2.00 Kg/m² @ 1 mm thick

MECHANICAL CHARACTERISTICS

Compressive Strength @ 18% W/P (ASTM C109)	
1 day	4±1 N/mm²
7 days	15±1 N/mm²
28 days	30±1 N/mm²
Flexural Strength @ 18% W/P (ASTM C348)	
28 days	6±0.25 N/mm²
Tensile Strength @ 18% W/P	
28 days	3±0.25 N/mm²

APPLICATION INSTRUCTIONS

Surface Preparation

Cicofloor®Leveltop ML Thick should be applied on a clean and sound concrete surface that is free from laitance, dust, oil, paint, and plaster crust. The surface should be scratched and roughened, to provide a key. All substrates should be saturated with water prior to application, and any excess water should be removed.

Cicofloor®Leveltop ML Thick

Bonding Bridge Layer

Apply a slurry coat of a mix of Cicobond®SBR or Cicobond®ACR (diluted with an equal volume of water) with cement at the mixing ratio 1:2 (liquid: 2 cement by volume) and don't allow to dry before application of Cicofloor®Leveltop ML Thick (5–10 min depending on wind and temperature). Extremely porous substrates may require two coats of primer.

Mixing

Mix one bag of Cicofloor®Leveltop ML Thick with 4.5 liters of clean cold water. The water should be poured into a clean suitable container. Add the powder slowly while mixing by an electric drill (medium speed), until a lump free uniform paste is obtained. It can be mixed in a special grout mixer if more than one bag is required to be mixed at once for open application. Please contact CIC representative for advice.

Application

Cicofloor®Leveltop ML Thick should be poured to form the required thickness with a wide movement in a single pass using a stainless steel straight squeegee or trowel. The squeegee should be dragged in one direction almost vertically to expel air bubbles. While the thickness should be controlled by keeping the squeegee almost horizontal. This technique forces Cicofloor®Leveltop ML Thick into any holes in the substrate and minimizes residual porosity. Just after spreading Cicofloor®Leveltop ML Thick, a spike roller should be rolled over to help entrained air escape. This step could be done twice in perpendicular directions, especially for relatively thick layers. Cicofloor®Leveltop ML Thick must be applied at temperatures between 5 and 35°C. In hot weather, the substrate should be dampened, and the mixing water is preferable to be as cold as possible. The touch dry time varies depending on the temperature but will fall between 90 and 120 minutes. Properly applied Cicofloor®Leveltop ML Thick can be opened to pedestrian traffic in 72 hrs.

Curing

Cicofloor®Leveltop ML Thick should be covered with PET sheet as soon as it starts to harden and kept over for a minimum of three days. This hard surface is generated in 6-8 hours (depending on temperature and wind speed).

For more details, please review our Technical Guide for Flooring System

CLEANING

Tools freshly contaminated with Cicofloor®Leveltop ML Thick can be cleaned using water. Hardened material can be removed by mechanical means.

PRECAUTIONS

Health And Safety

Cicofloor®Leveltop ML Thick is an alkaline, non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

TECHNICAL SUPPORT

CIC provides on-site assistance, as well as consulting services on projects when requested. Technical data sheets on other CIC products and guidance on their use are available on request.

Warranty

CIC products are guaranteed against defective materials and manufacture and sold subject to **CIC's** standard terms and conditions of sale. Whilst **CIC** endeavors to ensure that any advice, information or recommendation given is correct, the company cannot accept any liability either directly or indirectly arising from the use of its products. User of the product must test the product's suitability for the intended application and purpose, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Our Products are in continuous development and CIC reserves the right to change the product without prior notice.

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