

Cicofloor® SL

Self Leveling Epoxy Flooring System (2 – 5 mm Thick)

DESCRIPTION

Cicofloor® SL is three part, solvent free epoxy, high flowable self leveling system specially formulated to be abrasion and chemical resistant. It is designed to be applied in the range of 2-5 mm thick layer.

USES

Cicofloor® SL is ideal to be used in:

- Show rooms and office floors finish.
- Industrial hard wearing flooring and workshops.
- Chemical industries flooring.

ADVANTAGES

- Good abrasion & slip resistant surface.
- Could be applied for a wide range of thicknesses. (see system coverage table)
- Hygienic, anti bacterial & fungus growth.
- Resistant to a wide range of industrial chemicals, and fuels.
- Waterproof.
- Grey color, other colors are available on request.
- Long Pot life, Suitable for hot climates.

PACKAGING

36 Kg set.

SHELF LIFE & STORAGE

12 months storage life if stored in its original unopened containers under dry and shaded place in a temperature from 5°C to 35°C.

TECHNICAL PROPERTIES

Form	Thick Liquid
Solids Content, %	100
Mixed Density (ASTM D1475) kg/ltr @ 25°C	1.80±0.02
Pot life (ASTM D2471) min @ 25°C	60±5
Full dry (ASTM D2471)hrs @ 25°C	12

Overcoat time hrs @ 25°C	7
Adhesion to concrete (ASTM D4541) N/mm²	≥2.0
Compressive St. (ASTM 579)N/mm²@14 days	76
Tensile St. (ASTM D 2370)N/mm²@14 days	27.5
Abrasion Resistance (ASTM D 4060)	68 mg/1000 cycles (C10 wheels)

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CHEMICAL RESISTANCE

The fully cured **Cicofloor® SL** is resistant to:

Hydrochloric acid (HCl) 50%
 Sulphuric acid (H₂SO₄) 50%
 Phosphoric acid (H₃PO₄) 20%
 Sodium hydroxide 50%
 Acetic acid 30%
 Ammonia 30%
 Salt water
 Citric acid 30%
 Soda solution (saturated) (Na₂CO₃)
 Lactic acid 40%
 Kerosene
 Gasoline
 Chlorine
 Nitric acid (HNO₃) 40%
 Formic acid 40%
 Alum at 60°C
 Detergents

COVERAGE

Cicofloor SL: 1.8 kg/m²@1000 mic DFT
Cicoprime 10: 0.135 kg/m²@125 mic DFT
Cicoprime S: 0.140 kg/m²@75 mic DFT

APPLICATION INSTRUCTIONS

Surface Preparation

Cicofloor®SL is applied on sound, clean, and dry substrates in order to achieve maximum adhesion between **Cicofloor®SL** and substrate.

Concrete floors should have compressive strength not less than 25 Mpa. Laitance, oil, grease or any fatty contamination should be removed by using either **Cicosurface®Degreaser**, sand blasting or by steam cleaning.

Any cracks, grooves and holes should be filled first with **Cicomortar®FX** or **Cicomortar®FC**.

Priming

Apply one coat of **Cicoprime®10**, or **Cicoprime®S**, depending on the surface porosity. Use **Cicoprime®10** for porous/semi porous surface, while for low porosity surface, using **Cicoprime®S** is more preferable. Ensure that the surface to be primed is clean, dry and free from oil, grease or other contamination.

For **Cicofloor®SL**, system, using a primer is a must.

Mixing

Stir the base only separately. The entire contents of the smaller can (hardener) could be poured into the base container and the materials should be mixed for at least one minute by mechanical mixer using a slow or medium speed mixing drill. Then add component C during mixing and continue for another one minute. Insufficient mixing may lead to color variation.

Application

Pour the mixed material onto the dry primed surface and spread to the required thickness using a flat squeegee, rubber spreader or notched steel trowel. After laying the material it should be rolled immediately with a spiked nylon roller.

LIMITATIONS

Don't apply **Cicofloor®SL** if:

- The temperature of the surface is below 5°C or over 40°C.
- The flooring concrete compressive strength is less than 25 Mpa.
- The flooring concrete moisture content is more than 4 %, otherwise, **Cicofloor®WEP** or **Cicoprime®WEP** could be used as a moisture barrier first.

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.



CLEANING

Clean all tools and application equipment with **Cicosolvent®** immediately after use.

Hardened and/or cured material can only be removed mechanically.

PRECAUTIONS

Health and Safety

All safety stuff should be worn during application like safety goggles and rubber gloves, to avoid any harmful accidents.

If **Cicofloor®SL** is splashed accidentally to the skin, it must be washed off with water and soap at once.

If it was splashed to the eyes or nose, they must be rinsed with plenty amount of clean warm water and seek medical attention immediately.

TECHNICAL SUPPORT

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