

CIKOPOLY SL1000

Two component Polyurethane based, solvent-free self-levelling floor-top system

Description

CIKOPoly SL1000 is a solvent-free polyurethane self-levelling two component floor system.

CIKOPoly SL1000 is based on liquid polyurethane cured with a special grade of hardener. It offers seamless floor having a thickness of 0.5 to 2 mm. It provides a smooth, hygienic floor with excellent chemical resistance.

Properties

- Flowable consistency for self-levelling application.
- Pre-weight multi component polyurethane based system
- Easy to apply
- Exhibits good wear and abrasion resistance
- Seamless finish; easy to clean and maintain hygienic.
- Resistance to general chemicals
- Excellent durability and impact resistance

Application area

CIKOPoly SL1000 as floor topping is suitable to use both in industrial and commercial segments such as,

- Hospitals and laboratories.
- Warehouse floors and food storage areas.
- Utility services building floors.
- Cold warehouses
- Food freezers
- Pharmaceutical industries.
- Light engineering work shops.
- Walkways and loading bays.
- Production and storage areas.
- Manufacturing plants.
- Electricity substation floors.

Physical properties

Form	2 component system Part-A & B: Liquid
Colour	Standard colours
Mixing ratio	Pre weighed packs
Solid content	100%
Pot life @ 25 °C	20-30 minutes
Surface dry	3-4 hours
Tack free	Approx. 8 hours
Foot traffic	After 24 hours
Final cure	7 days
Tensile Strength ASTM D412	>10 MPa
Elongation ASTM D412	>50%
Abrasion	<0.1%
VOC	<10g/l
Service Temperature	-30°C to 80°C

Chemical resistance

CIKOPoly SL1000 is resistant to a wide range of chemicals. Specific data is available on request. Resistance to occasional spillages include:

- Diluted acids
- Diluted alkalis
- Petrol
- Kerosene
- Hydraulic oil
- Vegetable oils
- Sodium chloride

Coverage

CIKOPoly SL1000 will provide coverage of 10m² per 10Ltr kit at 1mm dry film thickness.

Note : The coverage depends on the floor condition and finish. Consult CIKO technical service department for assistance.

Application instructions

Surface preparation

The concrete surface should be free from dust and loose particles. All contamination should be treated well before application of primer.

Application

Priming:

CIKOpoly Prim14, a two component epoxy based primer shall be used for priming the substrate. The base [Part-A] and hardener [Part-B] components of CIKOpoly Prim14 should be mixed thoroughly using a heavy duty, slow speed drill paddle assembly for three to five minutes and ensure a homogenous mix is obtained. Application of primer should be carried out as per the respective technical data sheet. Allow the primer to dry for 12 -24 hours depending on the prevailing ambient conditions.

Application of self-levelling material

The base component [Part-A] of CIKOpoly SL1000 should be mixed thoroughly using a heavy duty slow speed drill-paddle assembly for two minutes and ensure that a homogenous mix with uniform colour is obtained. Transfer the mixed base component [Part-A] completely to a suitable container that can hold a volume of minimum 20 lts.

Pour the hardener component [Part-B] into the mixed base component [Part-A] and mix well to homogeneity.

Properly mixed materials should be spread over the dry and clean primed surface using a notched trowel maintaining the required thickness. Immediately spike the applied surface using spike rollers to release entrapped air in the material to obtain a uniform, smooth and even finish. The coated surface should be left for 12 – 24 hours curing, depending on the prevailing ambient conditions.

Precautions

Prior application of primer and CIKOpoly SL1000, ensure that

- Moisture content of the substrate is less than 4%.
- Should not be applied at area where rising dampness might occur.
- Ambient temperature is between 10 – 40°C.
- Substrate temperature is between 10 – 35°C.
- Relative humidity is below 75%.

Packaging

CIKOpoly SL1000 is available in 10Ltr packs consisting of Part-A & B.

Shelf life

CIKOpoly SL1000 has a shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

CIKOpoly SL1000 should be stored under cold and dry enclosed shaded area at temperatures between 5 – 25°C.

Health & safety

CIKOpoly SL1000 should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with 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

