

PC Floor SL 1000



Solvent-free self-levelling epoxy based floor topping

Product Overview

PC Floor SL 1000 is a self-levelling epoxy based floor topping. It is available as a four-component system, pre-measured in proportioned quantities for on-site mixing. It is available in a wide series of colours and when laid on the floor, it gives a smooth reflective finish.

Areas of applications

1. At all pharmaceutical and industrial floors
2. Kitchens
3. Warehouses and storage godowns, etc.

Properties

1. PC Floor SL 1000 is easy to apply. Hence it minimises application time and economic.
2. It is resistant to wide variety of chemicals and abrasion.
3. When laid it is dense, impervious and Seamless which makes its maintenance easy.
4. It is available in wide range of colors to suit the working atmosphere and conditions.

Guidelines for Usage

PC Floor SL 1000 is designed for application at a thickness between (0.5 - 1.5) mm

1. Surface preparation: The substrate must be dry (not even damp). If necessary, suitable damp-proof membranes must be installed prior to the application.

New concrete substrates must be 28 days old and should not have moisture content of more than 5%. Any loose particles, laitance, grease, oil, etc. must be removed by mechanical means. Existing concrete substrates must be prepared in order to ensure maximum bonding strength between the topping and the substrate. Mechanical cleaning methods and chemical degreasing methods are recommended wherever necessary.

2. Priming: The substrates to be treated with PC Floor SL 1000 must be primed with a suitable primer prior to the application, in order to ensure the maximum bonding between the epoxy topping and the substrate. Allow the primer to dry completely. Porous substrates may require subsequent primer coatings. While priming ensure no ponding occurs.

3. Mixing: PC Floor SL 1000 is available in four component packing (Part-A is Base, Part-B is Hardener, Part-C is Filler and Part-D is color pigment). Mixing should be carried out using a heavy duty, slow speed mixing paddle in a clean container. Add the Part-D to the Part-A and mix for 15-30 seconds until its homogeneous and uniform. Then add Part-B and mix for 30 seconds until an even texture and uniform color is obtained. Thereafter add Part-C slowly and mix for 3 minutes until a firm and homogeneous mix is obtained.

4. Application: Once the entire contents of PC Floor SL 1000 are mixed, they have to be used within its pot life time span. The material should be poured into the substrate and should

be spread to the required thickness by using a serrated trowel. Care should be taken not to overwork the resin. The material should be spread evenly and slowly. Immediately after spreading the material, it should be rolled using a spiked roller which not only removes the trowel marks but also aids in the release of air entrapped. An overlap of 50% with an adjacent layer is recommended in order to result in a seamless floor topping. All existing expansion or movement joints should be followed through the new floor surface. Joint sealant & joint geometry should be compatible with the floor type used, intended exposure conditions and likely movement characteristics of the substrate. For more details contact a Mcrete technical representative.

Note: PC Floor SL 1000 should not be applied on substrates suffering from rising dampness and humidity > 75%. IT should not be applied on asphalt, weak spalled concrete, PVC sheets or on any substrates which are known to move potentially.

Coverage area

The recommended application rate is 1.5 kg/m² at 1mm thickness depending upon the texture of the surface.

Note: The coverage mentioned is theoretical. Due to wastage factors and the nature of the substrate, the actual coverage may be reduced. For that additional 10% should be considered.

Packings available

PC Floor SL 1000 is available in 35.1 kg packs. (Part -A in 10 kg, Part -B in 5 kg, Part -C in 20 kg and Part -D in 100 gm). Other bulk packings are available on request.

Storage and Shelf life

PC Floor SL 1000 has 12 months shelf life when stored in original, dry and unopened packs.

Safety Measures

1. Clean tools and equipment immediately after the use with a suitable solvent/cleaner liquid before the material sets.
2. Store the material in dry conditions away from sunlight, heat sources and fire in original and unopened packs. In case of fire use CO₂ / foam type fire extinguisher. Don't use waterjet.
3. Use proper safety equipment while mixing e.g. use of safety coats, safety goggles, gloves vapour proof masks, etc. Any eye contamination should be washed immediately with clean water and immediate medical attention sought if ingested.

For further information related to application and safety precautions, please contact Mcrete technical representative.

Technical data

Aspect	Thixotropic pigmented flowable matter
Density	1.70 g/cc
Pot Life	@ 25°C - 60 mins. @ 40°C - 30 mins.
Curing period	@ 25°C - 7 days. @ 40°C - 5 days.
Thickness of applied topping	(0.5 -1.5)mm
Compressive strength (7 days) Flexural strength (7 days) Tensile strength (7 days)	65 MPa 40 MPa 20 MPa
Chemically resistant to	Acids (25% concentrated) Alkalis (50% concentrated) All types of solvents and organics

For further clarifications Please contact on below address

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