

CIKOhard MS

Liquid concrete hardener & dustproof

Description

CIKOhard MS is a liquid floor hardener for concrete surface treatment to enhance its hardness and sealing properties. It eliminates the generation of dust from concrete.

CIKOhard MS is a magnesium fluorosilicate based low viscous liquid floor hardener. The low viscosity enables CIKOhard MS to penetrate deep into the pores of concrete and react with the free lime present in cement to form a hard wearing and dustproof surface.

Properties

- Provides relatively impermeable surface, thereby increase in durability of concrete.
- Easy to apply and economical
- Can be treated on new or old concrete floors
- No need for curing
- Provides chemical resistance against solvents, grease and commonly used chemicals
- The surface hardness is achieved through a chemical reaction within cementitious materials. This gives in depth protection against heavy traffic and other forms of abrasion.
- The chemical elimination of free lime and other soluble particles creates a tightly bound surface resistant to dusting.
- Suitable for interior and exterior applications

Application area

CIKOhard MS is suitable to use in industrial and commercial floor areas. Typical applications include:

- Warehouse floors and food storage areas.

- Utility services building floors.
- Heavy duty parking areas.
- Residential, garage and basement areas.
- Walkways and loading bays.

Physical properties

Form	Liquid
Colour	Colourless
Hardness	More than normal concrete floors
Drying time	2 to 3 hours
Usable time	After 24 hours
VOC	<10g/l

Coverage

CIKOhard MS will provide coverage between 5.0 and 12m² per litre depending on the floor condition and finish.

Smooth concrete finish	3.5 m ² /litre in two coats
Rough concrete finish	2.5 m ² / litre in two coats

Application instructions

Surface preparation

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

Application method

Pour or spray CIKOhard MS to form a flood coat over the concrete surface at a rate of 1.0 ltr/m² and allow standing for one hour to get the material penetrated into concrete substrate. Excess solution should be removed before drying by mop or squeegee. Second coat should be applied in similar procedure, 24 hours after the application of initial coat. It is recommended to apply minimum two coats for better performance.

Packaging

CIKOhard MS is available in 20 litre pails and 200 litre drums.

Shelf life

CIKOhard MS has a shelf life of 12 months if stored in accordance with manufacturer instructions.

Storage

CIKOhard MS should be stored under enclosed shaded area at temperatures between 5 – 35°C.

Precautions

- Excess CIKOhard MS on concrete may form white residue
- Not suitable for highly porous substrates.

Health & safety

CIKOhard MS should not come in contact with eyes or to be swallowed. 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 further 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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ote: 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



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