

# K2 UNIDENSER SI

## Dust Proofing and Surface Hardener for Concrete

### Description:

K2 UNIDENSER SI is a water based, colorless low viscosity silicate solution and surface active chemicals used to density, dust proofs and hardens to concrete surface. By its react with the free lime produced during hydration of the cement, forms hard insoluble crystals thus binding the particles together and sealing the surface to form a hard non-dusting surface.

### Area of Application:

Hardening and dust proofing concrete floors or cement-based wearing screeds and pavings in:

- Interior and Exterior horizontal concrete.
- Factories.
- Garages.

- Industrial units.
- Warehouse and Food Storage area

### Benefits:

- Easy to apply.
- Seals, density and dust proofs in one operation.
- Improved chemical and abrasion resistance compared to untreated concrete.
- Reduced dusting of concrete floors.
- Improves clean ability.
- Good penetration.
- Solvent free.
- Economical.

### Technical Properties:

Properties	Results
Appearance	Low viscosity, Colorless , Odorless Liquid
Composition	Sodium Silicate crystals in a water dispersion.
VOC Content	Nil

### Application Instruction:

#### SURFACE PREPARATION

Remove all oil, grease, etc. using a degreasing solution. Brush the floor with a hard broom or a wire brush. Remove all dust and loose matter using a soft broom or industrial vacuum. If wetting on the floor has taken place during preparation it must be allowed to dry out before commencement of the K2 UNIDENSER SI application.

#### APPLICATION PROCESS

- Stir the K2 UNIDENSER SI before use. Pour evenly, or use a plastic watering can to sprinkle the K2 UNIDENSER SI liquid over the surface of the concrete. Then sweep the K2 UNIDENSER SI backwards and forwards over the floor to ensure even penetration. Any K2 UNIDENSER SI not totally absorbed into the surface should be removed by mops or squeegees before drying.
- 24 hours after initial treatment, apply a second coat in a similar manner (some floors may require three coats). 24 hours after the final coat, wash down the floor using clean water.

## DENSE FLOORS

Hard compacted / power floated surfaces may not have sufficient porosity to allow absorption of the K2 UNIDENSER SI, Prior to treatment test for absorption of water. If concrete is absorbent, test a small area with neat K2 UNIDENSER SI and diluted K2 UNIDENSER SI to see whether penetration is achieved. Then proceed accordingly.

### Precautions:

- K2 UNIDENSER SI is not suitable for floors of high porosity.
- New concrete should be allowed to cure fully (21 days minimum).
- Take care to protect glass, paintwork, brickwork, furnishings, etc., from splashes. Do not use
- K2 UNIDENSER SI on colored concrete, brickwork or masonry.
- If excess K2 UNIDENSER SI is left on the concrete surface, a white residue may form and should be removed by scrubbing immediately. If this residue is allowed to dry, removal of the white discoloration may require mechanical means, such as grinding or sanding.

### Coverage:

As porosity and texture of concrete floors and cement pavings vary considerably, it is not possible to quote accurate coverage rates, but the following will provide a guide:

Tamped concrete:	Approx. 3.5-5m <sup>2</sup> / Ltr} two coats
Smooth concrete:	Approx. 5-7m <sup>2</sup> / Ltr} 1 coat
Dense power Trowelled	Approx. 9-10m <sup>2</sup> / Ltr} 1 coat

### Packing:

K2 UNIDENSER SI is available in 30kg and 250kg pack.

### Shelf Life and Storage:

K2 UNIDENSER SI has a Shelf life of 12 Months from the date of manufacturing. Store the material in cool and dry place. Keep away from direct sunlight and heat.

### Health & safety:

K2 UNIDENSER SI is nonhazardous. It should not be swallowed or allowed to come into contact with the skin and eyes. Protective gloves, Nose mask and goggles should be worn. Contact with the skin for long tenure should be avoided. In case of contact with the eyes, it should be rinsed immediately with plenty of water and medical advice sought immediately.

### FIRE

K2 UNIDENSER SI is nonflammable.

### Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.

## Important Note:

KONKEM Industries Private Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst KONKEM Industries Ltd endeavors to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it or its applicators.

**KONKEM**  
KONKEM INDUSTRIES PVT LTD  
A Group Company of **JAY**

Jay House, Panchvati Circle,  
Ambawadi, Ahmedabad  
3 8 0 0 6 . India

Phone: 079-69073222

Email: [infok2@konkem.com](mailto:infok2@konkem.com)

Website: [www.konkem.com](http://www.konkem.com)

**UNIDENSER SI**

