

## **CONSEAL SILICATE**

### **Concrete Surface Dustproofer**

#### **Description**

A concentrated aqueous chemical solution of metallic silicates which when diluted with water deeply impregnates cement bound floors hardening the matrix and rendering them dust free. A simple and economical treatment for warehouses, factory and industrial premises.

#### **Advantages**

- Dustproofs and reduces permeability to liquids.
- Improves resistance to abrasion and wear.
- Economical and easily applied by unskilled labour.
- Easily retreated after a number of years.

#### **Surface Preparation**

1. Any holes or imperfections should be repaired prior to application. Consult Nufins Technical Department for advice.
2. Any oil or grease should be removed using Desolve.
3. The surface should be well brushed to remove all surface dust and detritus material.
4. The concrete surface should be dry and have cured for at least 14 days. Coloured screeds require specific testing before use.

#### **Application Instructions**

Conseal Silicate should be diluted according to the table overleaf and applied at the recommended coverages using a brush or watering can ensuring that 'pooling' does not occur by brushing the excess over the surface. Second and third coats should be applied after each subsequent treatment is thoroughly dry. After final treatment the surface should be washed with water to remove any solution which has not been absorbed. Normally this should be carried out 12 - 24 hours after final application. In hot weather earlier washing is recommended. All equipment should be washed with water and care should be taken during application to avoid contact with glass, metal, paintwork and fabric.

Power floated floors may cause problems because of the dense nature of the surface. An application of Conseal Silicate at a dilution of 1:5 is often all that is required but this should be checked on site.

#### **Packaging**

Conseal Silicate is available in 15 and 200 litre containers.

## Health & Safety

Rubber gloves, boots and goggles should be used during application. Accidental splashes on the skin should be washed with soap and water. Contact with eyes should be avoided and if accidental contamination does occur they should be washed with water and medical attention sought. If swallowed do not induce vomiting and seek medical aid.

Type of Surface	Coverage sqm/ litre of undiluted Conseal Silicate	Number of Applications	Dilution Ratios by volume Conseal:Water
Porous to Moderate Dense	3.5 to 5.5	3	1:4 1st Coat 1:3 2nd Coat 1:2 3rd Coat
Dense	6 to 8	1/2*	1:4 1st Coat 1:3 2nd Coat
Grano/ Terrazzo Power Floated	15 to 25	1	1:5 Single Coat

\* The number of applications required can vary according to the density of the surface and should be checked on site.

## Storage

Conseal Silicate should not be allowed to freeze and must be kept out of the reach of children. All opened containers should be resealed after use.

## Limitations

If the treated surface is to receive a subsequent surface coating we recommend that a test patch be prepared to check adhesion.

## Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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