



## Technical Data Sheet

### Ecohard SS30

#### Liquid surface hardener and dust proofer for concrete surfaces

#### Description

**Ecohard SS30** is a clear, surface hardener and dust proofer designed for application to concrete and other cementitious floors.

**Ecohard SS30** is based on an aqueous solution of sodium silicate and wetting agents to enhance surface penetration.

#### Applications

**Ecohard SS30** is recommended for new and old cementitious surfaces, such as concrete floors and granolithic paving.

It should not be used to renovate concrete which is already disintegrating.

Typical applications include:

- Factories.
- Warehouses.
- Garages.

#### Advantages

- Improves abrasion resistance.
- Densify concrete surface
- Compatible with all types of coatings
- Single component.
- Durable.
- Cost effective.
- Easy application and fast curing

#### Method of use

##### Substrate Preparation

The substrate must be clean, dry, structurally sound, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum penetration of **Ecohard SS30** into the concrete surface.

Surfaces contaminated by oil or grease should be treated with suitable chemical de-greaser then washed with clean water.

Areas deeply contaminated by oils or grease should be treated by hot compressed air.

All contamination and laitance must be removed before **Ecohard SS30** application to allow for effective penetration. New concrete surfaces must be allowed to cure prior to application of **Ecohard SS30**.

#### Application

**Ecohard SS30** should be poured onto the surface of the floor and spread evenly with a soft brush or squeegee avoiding the formation of puddles.

The first coat should be applied at a uniform rate of approximately 9 to 10m<sup>2</sup> per liter.

Allow the solution to be absorbed for a period up to 2 hours, while the floor is still damp, the surface should be washed off and rinsed with clean cold water to prevent excess **Ecohard SS30** crystallizing on the surface. This is necessary to avoid unsightly white dusting.

The surface should be allowed to dry for a period of 24 hours to be ready for the second coat which should be applied at same procedures of first coat. Only in the case of very porous floors would a third coat be necessary.

#### Remarks

- Colored surfaces must be allowed to cure for 28 days prior the application of **Ecohard SS30**. It is advised to test a small area to evaluate the effect of **Ecohard SS30** on the color.
- Concrete surfaces must be dry to maximize penetration.

#### Theoretical Coverage

Approximately 9-10m<sup>2</sup>/Liter/coat depending on surface porosity.

#### Storage

12 months when stored properly in unopened container in a dry area out of direct sunlight at temperature between 5 - 35°C.

#### Cleaning

All tools shall be cleaned after application with **water**.

#### Packaging

**Ecohard SS30** is available in 200 and 1000-liters packs.

#### Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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#### Cautions

##### Health and safety

Avoid skin and eye contact by wearing overalls, gloves, goggles, and air-mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. The eyes should be flushed with fresh water.

Avoid inhalation of vapors and by wearing suitable air-mask.

In the event of ingestion and eye contact, seek medical attention immediately.

Local safety regulations should be followed.

#### Fire

**Ecohard SS30** is non-flammable.



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