

# Sethard S

Liquid surface hardener and dust proofer for concrete surfaces (Formerly known as Setseal 30)



## Description

Sethard S is a clear, surface hardener and dust proofer designed for application to concrete and other cementitious floors. Sethard S is based on an aqueous solution of sodium silicate and wetting agents to enhance surface penetration.

Sethard S is mixed with water and applied to concrete surfaces. Use of Sethard S will increase abrasion resistance and reduce dusting of concrete surfaces.

## Applications

Sethard S 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.
- ▲ Single component.
- ▲ Durable.
- ▲ Cost effective.
- ▲ Easy application.

## 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 Sethard S 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 Sethard S application to allow for effective penetration.

### Technical Properties:

Specific gravity:	1.40 ± 0.05
Solids content:	45 ± 5%
Taber abrasion resistance: (1000 g, 250 cycle) ASTM D4060 using H22 wheel	40% increase in abrasion resistance

## New Concrete Floors

New concrete surfaces must be allowed to cure for 14 days prior to application of Sethard S.

## Mixing

Mix one part of Sethard S with 3 parts of clean water, use slow speed drill for mixing for 2 minutes until a homogenous mixture is achieved.

## Application

The mixed (diluted) Sethard S 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 - 10 m<sup>2</sup>/litre of the mixed (diluted) Sethard S. 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 Sethard S mixture 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

- ▲ Coloured surfaces must be allowed to cure for 28 days prior the application of Sethard S. It is advised to test a small area to evaluate the effect of Sethard S on the colour.
- ▲ Concrete surfaces must be dry to maximize penetration.

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## Cleaning

Tools and equipment can be cleaned with clean cold water.

## Packaging

Sethard S is available in 25 litre pails and 200 litre drums.

## Coverage

The coverage rate of the mixed (diluted) Sethard S is: 10 m<sup>2</sup>/litre per coat for one application, 7.5 m<sup>2</sup>/litre per coat for two applications and 5 m<sup>2</sup>/litre per coat for three applications.

## Storage

Store in a dry area out of direct sunlight at temperatures between 5°C and 35°C.

## Shelf Life

Sethard S has a shelf life of 12 months from date of manufacture if stored in proper conditions and un-opened packs.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

## Cautions

### Health and Safety

Sethard S should not come in contact with skin and eyes, however any accidental splashes to the eyes must be rinsed with clean water and seek medical advise. Suitable protective gloves and goggles should be worn.

For further information refer to the Material Safety Data Sheet.

## Fire

Sethard S is nonflammable.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

### Note:

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.

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