

Sethard S

Liquid densifier for concrete surfaces



Description

Sethard S is a concentrated, clear, liquid 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.
- ▲ Does not discolor the concrete.

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 ± 3%
VOC:	< 10 g/ltr (complies with LEED)

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 4 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 300 - 400 ft²/gal (7.3 - 9.8 m²/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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Sethard S

Cleaning

Tools and equipment can be cleaned with clean cold water.

Packaging

Sethard S is available in 5 gal (18.9 litre) pails and 55 gal (208.2 litre) drums.

Coverage

Approximately 300 - 400 ft²/gal (7.3 - 9.8 m²/litre) per coat, depending on the texture and absorption characteristics of the surface.

Storage

Store in a dry area out of direct sunlight at temperatures between 41°F (5°C) and 95°F (35°C).

Shelf Life

Sethard S has a shelf life of 12 months from date of manufacture if stored in proper conditions and unopened 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.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

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

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

