

Sethard L

Lithium-silicate liquid surface hardener and dust proofer for concrete



Description

Sethard L is a clear surface hardener and dust proofer designed for application to concrete and other cementitious floors. Sethard L is based on an aqueous solution of lithium silicate to enhance surface penetration. Sethard L will react chemically with concrete to produce clear, dense, and abrasion resistant surfaces.

Applications

Sethard L 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.
- ▲ Cold stores.
- ▲ Food processing plants.

Advantages

- ▲ Improves abrasion resistance.
- ▲ Dust proof.
- ▲ Single component.
- ▲ Durable.
- ▲ Cost effective.
- ▲ Concrete surfaces will remain breathable.
- ▲ 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 L 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 L application to allow for effective penetration.

Technical Properties @ 25°C:

Solid content:	Approximately 15%
Density:	1.10 gr/ m ² ± 0.01
pH value:	11.5
Freezing point:	Approximately 0.0°C

New Concrete Surfaces

Sethard L may be applied on newly laid concrete immediately after final trowelling using a low pressure sprayer fitted with a 1.9 liters/ minute (0.5 gpm) sprayer tip.

Apply one coat of Sethard L at the rate of 12 - 14 m²/ liters without producing puddles. If surfaces dry immediately, apply more materials as the surfaces should remain wet for 5 - 10 minutes.

Allow treated surfaces to dry, then apply curing compound at the specified rate using a suitable product from setseal range.

Old Concrete Surfaces

Sethard L can be applied to cured concrete of any age. Apply one coat of Sethard L at the rate of 9 - 10 m²/ liters using a low pressure sprayer fitted with 1.9 liters/ minute (0.5 gpm) sprayer tip. Do not apply excess material to avoid material puddling. Use soft bristle broom to evenly spread Sethard L and ensure uniform wetting. If surfaces dry immediately, apply more materials as the surfaces should remain wet for 5 - 10 minutes.

Notes: White residues will form on the surface when excess materials are allowed to puddle which must be removed immediately.

Remarks

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

Sethard L

Cleaning

Before products dries, tools and equipment can be cleaned with clean cold water.

Packaging

Sethard L is available in 20 litre pails and 200 litre drums.

Coverage

Between 12 - 14 m²/ liters on freshly poured concrete surfaces.

Between 9 - 10 m²/ liters on old cured concrete surfaces.

Storage

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

Shelf Life

Sethard L 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 advice.

Cautions

Health and Safety

Sethard L 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 advice. Suitable protective gloves and goggles should be worn.

For further information refer to the Material Safety Data sheet.

Fire

Sethard L is nonflammable.

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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.

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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