

Sethard P

Potassium silicate hardener and dust reducer for concrete surfaces



Description:

Sethard P is a transparent surface hardener and dust reducer, designed for application on concrete and cement. Sethard P is based on an aqueous solution of potassium silicate and improved surface hardness. Sethard P chemically reacts with the free lime in the concrete forming dense, wear resistant.

Applications:

Sethard P is recommended for new and old concrete surfaces such as concrete floors and pavements granolithic. It is not used for the renovation of crushed, cracked concrete.

- ▲ Parking areas
- ▲ Factories
- ▲ Warehouses
- ▲ Garages
- ▲ Refrigeratory
- ▲ Food processing plants

Advantages:

- ▲ Improves wear resistance of floors
- ▲ Reduce the dust
- ▲ One component material
- ▲ Long - lasting material
- ▲ Economic material
- ▲ Allows water vapor to come out of the concrete structure
- ▲ Ease of use

Standards:

- ▲ Sethard P complies with EN 1504-2.

Method of Use

Substrate Preparation:

All surfaces must be dry, firm, intact, cleaned of dust, small particles, oils, dirt. Thoroughly prepared surface is essential for maximum penetration of Sethard P.

Contamination by oil, grease should be treated with appropriate chemical degreasers and then be cleaned with water. Deep oil penetrated zones should be cleaned

with a jet of hot compressed air.

Technical Properties, 23°C :

Penetration:	> 5 mm
Specific gravity:	1.12 ± 0.1
Solid content:	Approx. 17%
Liquid water permeability:	< 0,1
Measurement of bond strenght by pull-off:	≥ 1,5 N/mm ²
Impact resistance:	Class II ≥ 10 N.m
Freezing point:	Approx. 0 °C
pH:	9 - 10

Application on concrete floors:

Sethard P can be applied on new concrete after the final smoothing and after evaporate surface water.

Sethard P can be applied on old concrete. The concrete must be completely clean from dirt before applying.

Sethard P is ready for use. It is well stirred prior to application. It ss applied evenly over the entire surface, without forming puddles. Use a machine with a jet of low pressure.

Application temperature: above +5 °C.

Notes:

- ▲ Colored surfaces must be aged 28 days before applying Sethard P. It is recommended to test on a small area to assess the effect of color on Sethard P.
- ▲ Concrete floors must be completely dry to achieve maximum penetration.

Cleaning:

All tools and equipment should be cleaned immediately after use while still damp with clean cold water.

Packaging:

Sethard P is available in 20 l and 30 l packs.

Sethard P

Coverage:

Approx. 0.07 - 0.10 ltr/ m² - new concrete.
Approx. 0.100 - 0.200 ltr/ m² old concrete floors.

Storage:

Sethard P has a shelf life of 12 months if stored in proper conditions, at temperatures range between + 5°C and 35 °C in its original unopened packing.

Store in dry and cool place away from direct sun heat.

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

Cautions

Health and Safety:

Avoid contact with skin, eyes and mouth. In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

Wear suitable protective clothing, gloves.

Fire:

Sethard P is non-flammable.

For further information refer to the Safety Data Sheet.

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

- ▲ Concrete admixtures.
- ▲ Grouts and chemical fixings.
- ▲ Concrete repairs.
- ▲ Industrial floorings.
- ▲ Structural protection.
- ▲ Waterproofing.

Note:

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