

# Sethard P

Potassium silicate hardener and dust proofer for concrete surfaces



## DESCRIPTION

Sethard P is a transparent surface hardener and dust proofer, 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, pavements, columns and soffits. 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.
- » Reduse 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.

## TECHNICAL PROPERTIES @ 23°C:

Penetration:	> 5 mm
Specific gravity:	1.12 ± 0.10
Solid content:	Approximately 17%
Liquid water permeability:	< 0.1
Measurement of bond strength by pull-off:	≥ 1.5 N/mm <sup>2</sup>
Impact resistance:	Class II ≥ 10 N.m
Freezing point:	Approximately 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 and 30 litre packs.

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## COVERAGE

Approximately 0.07 - 0.10 ltr/ m<sup>2</sup> - new concrete.  
Approximately 0.100 - 0.200 ltr/ m<sup>2</sup> 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 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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