

Sethard® S100

Easy to clean curing aid for concrete surfaces



DESCRIPTION

Sethard S100 is a liquid curing aid formulated from inorganic silicates.

Sethard S100 provides an excellent initial cure for concrete, then it begins to break down and naturally wear away from the surface to prepare concrete for coating with a multitude of protective and/or decorative top coats.

APPLICATIONS

Sethard S100 is recommended for new formwork cast-in-situ concrete surfaces such as concrete walls, columns and for concrete floors.

Typical applications include

- » Industrial plants.
- » Factories.
- » Warehouses.
- » Garages.
- » Shopping Malls.
- » Service stations.
- » Parking lots and driveways.
- » Buildings.

ADVANTAGES

- » Easy to clean up , only needs a simple wash with clean water to prepare for covering or sealing.
- » Contributes to the enhancement of the compressive strength of concrete at all ages.
- » Single component.
- » Easy application.
- » Reduces effluence.
- » Chloride-free.

METHOD OF USE

SUBSTRATE PREPARATION

Concrete surfaces must be clean and free from contaminants. For freshly placed horizontal concrete substrates such as concrete floors, slabs, Sethard S100 should be applied after the concrete has set, and allow visible surface water to dissipate prior to application. For example, concrete surface must be able to bear foot traffic without marring or damaging the concrete.

For vertical elements, Sethard S100 should be applied as soon as formwork has been removed or elements de-shuttered. Sethard S100 is ideally suited for treating surfaces which are to receive subsequent coatings.

TECHNICAL PROPERTIES:

Appearance:	Clear or white liquid
Specific gravity:	1.20 ± 0.05 for clear 1.30 ± 0.05 for white
Solids by weight:	25 ± 1% for clear 30 ± 1% for white
Abrasion resistance: (1000 g, 250 cycle) ASTM D4060, H22 wheel enhancement over untreated concrete	> 63%

SETHARD S100 COMPRESSIVE STRENGTH ENHANCEMENT OVER:

Curing Method	@ 7 days	@ 28 days
Wet curing:	66%	40%
Film forming curing compounds	50%	32%

APPLICATION

Sethard S100 should be applied by brush/roller/spray/ soft bristle broom at an application rate of 4 - 7 m²/liter per coat to all the sides of concrete surface. The coverage is depending on the surface texture and porosity.

Drying time of Sethard S100 depends on temperature, humidity and used coverage rate. After the application is complete, the surface can be used for further construction activities as soon as it is dry to the touch. For heavy foot traffic areas, allow 24 hours before subjecting to heavy traffic.

For subsequent paints or coverings over Sethard S100, allow 3 - 7 days of drying time depending on ambient temperatures.

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REMARKS

- » Sethard S100 is not a surface retarder. Do not apply during the final trowelling operations as discolouration may occur.
- » Sethard S100's minimum application temperature is 5°C and maximum is 50°C.
- » When Sethard S100 White is used, the applied surface should be washed with clean water before application.
- » For the application of second coat, first coat should be completely dry.
- » Under conditions of excessive heat or drying wind, polyethylene sheet may be used to cover the surface after application of Sethard S100. The polyethylene sheet can be reused since it does not stick to the surface.

OVERCOATING

Surfaces treated with Sethard S100 may be overcoated provided that proper surface preparation and cleaning is carried out. For specific cases, contact DCP Technical Department for advice.

It is recommended to perform site trials to confirm that the desired properties are achieved.

CLEANING

Tools and equipment can be cleaned with clean cold water.

PACKAGING

Sethard S100 is available in 25 litre jerrycan and 200 litre drums.

COVERAGE

The coverage is 4 - 7 m²/ litre per coat.

Notes:

- » Coverage will depend on surface texture and porosity. For reference, the more porous or rougher the surface is, the lower the coverage.
- » If required, Mock-up/Trial application shall be done at site to understand the actual coverage of different concrete surfaces.

STORAGE

Store in a dry area out of direct sunlight at temperatures between 5°C and 50°C.

SHELF LIFE

Sethard S100 has a shelf life of 12 months from date of manufacture if stored in proper conditions and unopened packs.

If these conditions are exceeded, contact DCP Technical Department for advice.

CAUTIONS

HEALTH AND SAFETY

Sethard S100 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 S100 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.

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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.

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