

# SetCure 100

Easy to clean curing aid for concrete surfaces



## Description

SetCure 100 is a liquid curing aid formulated from inorganic silicates.

SetCure 100 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

SetCure100 is recommended for new form-work cast-in-situ concrete surfaces such as concrete walls, columns and for concrete floors.

Typical applications include:

- ▲ Industrial plants.
- ▲ Factories.
- ▲ Warehouses.
- ▲ Garages.
- ▲ Precast Concrete.
- ▲ Shopping malls.
- ▲ Service stations.
- ▲ Parking lots and driveways.

## Advantages

- ▲ Easy to clean up , only needs a simple wash with clean water after surface application to prepare for covering or sealing.
- ▲ Contributes to the enhancement of the compressive strength of concrete at all ages.
- ▲ Single component.
- ▲ Easy application.
- ▲ Reduces efflorescence.
- ▲ Chloride-free.
- ▲ Maintains the anti-static characteristics of the concrete surface.

## Method of Use

### Substrate Preparation

*Concrete surfaces:*

- ▲ After troweling, cure freshly placed concrete with moisture or sheet membranes.
- ▲ SetCure100 must be applied at least 24 hours after concrete placement .

### Technical Properties:

Appearance:	Clear or white liquid
Specific gravity:	1.1 ± 0.1 for clear 1.2 ± 0.1 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%

### SetCure 100 Compressive Strength Enhancement Over:

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

- ▲ For other concrete vertical elements, SetCure100 can be applied directly after de-shuttering.

## Application

SetCure 100 is ideally suited for treating surfaces which are to receive subsequent coatings.

SetCure 100 white should be washed with water before applying further layers. SetCure 100 should be spray applied at an application rate of 4 - 7 m<sup>2</sup>/liter per coat.

## Limitation

- ▲ Coverage may vary with application method, surface conditions, and porosity.
- ▲ SetCure 100 is not a surface retarder. Do not apply during the final trowelling operations as discolouration may occur.
- ▲ SetCure 100's minimum application temperature is 5°C and maximum is 35°C.

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# SetCure 100

## Curing

Under conditions of excessive heat or drying wind, polyethylene sheet may be used to cover the surface after application of SetCure 100.

The polyethylene sheet can be reused since it does not stick to the surface.

## Cleaning

Tools and equipment can be cleaned with clean cold water.

## Packaging

SetCure 100 is available in 25 litre pails and 200 litre drums.

## Coverage

The coverage is 4 - 7 m<sup>2</sup>/ litre per coat. Where two coats are required to ensure maximum densification; the second coat should be applied after 2 - 3 hours of applying the first coat.

## Storage

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

## Shelf Life

SetCure 100 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 advise.

## Cautions

### Health and Safety

SetCure 100 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

SetCure 100 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.

