

# Setseal® 44 White

Premium quality water-based paraffin dispersion concrete curing compound



## DESCRIPTION

Setseal 44 White is a water-based curing compound formulated from selected emulsified paraffin to form a low viscosity wax emulsion.

Setseal 44 White is supplied as white milky liquid, which forms a white film after drying and reflect 60 - 80% of the sunlight provided that the recommended coverage has been maintained.

Setseal 44 White is designed to retain sufficient moisture in the concrete to ensure full hydration of the cement, which is essential for optimum strength development.

## APPLICATIONS

Setseal 44 White is used mainly for newly casted concrete and cementitious surfaces to retain sufficient moisture to ensure full hydration of the cement. Typical application areas include:

- » Runways and roads.
- » Roof decks.
- » Retaining walls.
- » Irrigation canals.
- » Concrete floors.
- » Columns and underground foundations.

## ADVANTAGES

- » Ready-to-use, water-based compound.
- » Helps to achieve concrete desired strengths.
- » Minimizes potential surface cracking and shrinkage.
- » Promotes a harder dust-free surface.
- » Single component.
- » Can be spray applied to reduce labour cost.
- » VOC compliant.

## STANDARDS

- » Setseal 44 White complies with AASHTO M 148 and ASTM C309, Type 2, Class A, when applied at the recommended coverage rate.
- » Compliant with all U.S and Canadian regulations for VOC of Concrete Curing Compounds, including Federal EPA, SCAQMD, OTC, LADCO & CARB.

## TECHNICAL PROPERTIES:

Colour:	White
Specific gravity:	1.00 ± 0.05
Reflectance:	> 60%
Minimum application temperature:	41°F (5°C)
Drying time:	2 - 4 hr, depending on ambient temperature
Water retention: ASTM C156	< 0.55 kg/m <sup>2</sup> in 72 hr
VOC:	< 30 g/ltr

## METHOD OF USE

### MIXING

To ensure even pigment dispersion and optimum performance, Setseal 44 White should be thoroughly stirred prior to each days use. Do not over-agitate or use high speed mixing equipment in order to avoid foaming.

### APPLICATION

Setseal 44 White should be spray, roll or brush applied as soon as possible to the fresh concrete, provided that the surface water has evaporated.

Do not apply if bleed water is forming, or is present on the concrete surface. Setseal 44 White can be spray applied, and the spray nozzle should be held approximately 18" (457 mm) from the concrete surface and passed back and forth to ensure complete coverage.

Pump pressure should be maintained to give an even, fine spray. The applied film should be protected from rain for at least 3 hours; care should be taken to ensure that the film is not broken.

In the case of formed concrete, Setseal 44 White should be applied immediately after de-shuttering. In such a case, the concrete surface must be dampened with clean water prior the application of Setseal 44 White.

Dry surfaces may prevent correct film formation and cause absorption of the Setseal 44 White into the concrete surface, which may lead to staining and difficulty in later degradation and removal.





# Setseal® 44 White

## REMARKS

- » Complete removal of Setseal 44 White must be ensured before the application of any surface finishes or additional surface treatments.
- » Setseal 44 White can be removed by using high-pressure steam, water jetting or light sand blasting.
- » It is recommended to use Setseal AW where the concrete is to receive a coating or further surface treatment.
- » Restrict foot traffic for at least 4 hours after application.

## CLEANING

Tools and equipment can be cleaned with soap and water when the material is still wet. Remove dried Setseal 44 White with DCP Solvent.

## PACKAGING

Setseal 44 White is available in 5 gal (18.9 liter) pails, 55 gal (208.2 liter) drums and 275 gal (1041 liter) totes.

## COVERAGE

The recommended coverage rate is 200 ft<sup>2</sup>/gal (4.9 m<sup>2</sup>/liter).

## STORAGE

Store in a dry area out of direct sunlight between 41°F and 95°F (5°C and 35°C).

## SHELF LIFE

Setseal 44 White has a shelf life of 9 months from date of manufacture, if stored in proper conditions in unopened drums. The effectiveness of this product may be adversely affected if these conditions are exceeded. DCP Technical Department should be contacted for advise.

## CAUTIONS

### HEALTH AND SAFETY

Setseal 44 White is not classified as a hazardous material. In case of accidental splashes to the eyes, immediately flush with plenty of water and seek medical attention. Suitable protective gloves and goggles should be worn.

For further information refer to the Material Safety Data Sheet.

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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.

[www.dcp-int.com](http://www.dcp-int.com)

## FIRE

Setseal 44 White is water-based and is nonflammable. DCP Solvent is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

#### Flash Point:

DCP Solvent: 99°F (37°C).

## WARRANTY

Unless expressly stated otherwise in the Sales Documents, the Limited Warranty shall expire on the expiry date listed on the Product's label or packaging. The full text of DCP's limited warranty is found in DCP's standard terms and conditions of sale (the "Terms"), which are available at [DCP Website/USA – Terms & Conditions](http://www.dcp-int.com/USA-Terms-Conditions). DCP's limited warranty is in all cases subject to, and conditioned upon, the Terms.

## 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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