

# Setseal AW

General-purpose concrete curing compound based on waterborne acrylic copolymer



## Description

Setseal AW is a single component, acrylic resin-based coating designed to impregnate concrete surfaces combining the benefits of a curing aid and hardener.

Setseal AW is designed to overcome the drawbacks of many commonly used curing membranes that tend to provide a limited service life following the curing period of new concrete. It has good abrasion resistance and is compatible with several types of coatings.

## Applications

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

- ▲ High rise constructions to eliminate water curing.
- ▲ Runways and roads.
- ▲ Roof decks.
- ▲ Retaining walls.
- ▲ Irrigation canals.
- ▲ General floor slab and columns.
- ▲ All cement-based colored plasters.

## Advantages

- ▲ Recoatable.
- ▲ Non-degradable, single component.
- ▲ Enhanced concrete durability.
- ▲ Increase the surface abrasion.
- ▲ UV resistance.
- ▲ Helps to achieve desired strength of concrete.
- ▲ Minimizes potential surface cracking and shrinkage.
- ▲ Promotes a harder dust-free surface.
- ▲ Can be spray applied to reduce labor cost.
- ▲ Non-toxic.

## Overcoating

Setseal AW can be over coated with the following:

- ▲ Polymer modified cementitious paint.
- ▲ Acrylic paints.
- ▲ Some epoxy-based coatings that are not dependable on the penetration for surface bond.
- ▲ Bituminous emulsion paints.

## Technical Properties @ 77°F (25°C), 50%RH:

Colour:	Milky liquid
Specific gravity:	1.01 ± 0.02
Tack-free time:	2 - 3 hr
Full cure:	24 hr

*Note: consult with DCP's Technical Department to check if a certain epoxy coating from DCP can be applied over Setseal AW.*

## Method of Use

Setseal AW should be spray 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.

Stir Setseal AW well before use to ensure even pigment dispersion. Setseal AW should be spray applied, 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 AW should be applied immediately after de-shuttering. In such a case the concrete surface must be dampened with clean water prior application of Setseal AW.

## Remarks

Setseal AW minimum application temperature is 41°F (5°C).

## Cleaning

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

### Don Construction Products Inc.

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USA

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## Packaging

Setseal AW is available in 5 gal (19 litre) containers, 275 gal (1,041 litre) and 330 gal (1,249 litre) IBC totes.

## Coverage

The recommended coverage rate is 120 - 200 ft<sup>2</sup> per gal (3 - 5 m<sup>2</sup>/litre).

## Storage

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

## Shelf Life

Setseal AW has a shelf life of 12 months from the date of manufacture if stored in proper conditions in un-opened drums.

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

## Cautions

### Health and Safety

Setseal AW should not come into contact with skin or eyes. 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.

### Fire

Setseal AW 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 endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.



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