

# Setseal Mono WB309

Water based high performance acrylic concrete curing compound and sealer (formerly known as Monoseal WB309)



## Description

Setseal Mono WB309 is a single component, acrylic resin based curing compound and sealer designed to impregnate freshly finished concrete surfaces combining the benefits of a curing compound, hardener and sealer.

Setseal Mono WB309 dries to produce a UV resistant, durable, clear film on concrete, which makes it ideal for interior and exterior use.

## Applications

Setseal Mono WB309 is mainly used for newly cast concrete and cementitious surfaces that contain GGBFS, PFA, microsilica, dry shake hardeners or limestone to seal, dustproof and retain sufficient moisture and ensure full hydration of the cement.

## Advantages

- ▲ UV stable, non-yellowing.
- ▲ Meets the requirement of ASTM C309.
- ▲ High exterior and interior durability.
- ▲ Improves the abrasion resistance of concrete floors.
- ▲ Minimizes potential surface cracking and shrinkage.
- ▲ Good water and stain resistance, prevents penetration of oils and liquids.
- ▲ Excellent resistance to dust and dirt pick up.
- ▲ Easy to apply.
- ▲ Easy to clean and to maintain; can be overcoated.
- ▲ Low VOC content; complies with LEED requirements.

## Standards

Setseal Mono WB309 complies with AASHTO M-148 and ASTM C309, Type I, Class A and B.

## Method of Use

Setseal Mono WB309 should be 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.

Use low pressure spray, roller or brush. For spray application, 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.

## Technical Properties:

Colour:	Clear (upon drying)
Specific gravity:	1.01 ± 0.02
Application temperature:	41 to 95°F (5 to 35°C)
Tack-free time:*	2 - 3 hr @ 68°F (20°C)
Full curing time:*	24 hr @ 68°F (20°C)
VOC:	< 100 g/ltr (complies with LEED)

*\*Depending on temperature, humidity and wind exposure.*

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 case of formed concrete, Setseal Mono WB309 should be applied immediately after de-shuttering. In such a case the concrete surface must be dampened with clean water prior application of Setseal Mono WB309.

Drying time will depend on the substrate and the ambient conditions. Adequate ventilation must be provided to ensure that necessary drying and curing of the material is achieved.

## Cleaning

Tools and equipment can be cleaned with soaped water when wet. Dried Setseal Mono WB309 should be removed with DCP Solvent.

## Packaging

Setseal Mono WB309 is available in 5 gal (18.9 ltr) pails, 55 gal (208.2 ltr) drums and 275 (1041 ltr) totes.

**Don Construction Products Inc.**  
2826 Lineberger Industrial Dr.  
Lancaster, SC 2970  
USA



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## Coverage

For use as a curing compound, the recommended coverage rate is 200 ft<sup>2</sup>/gal (4.9 m<sup>2</sup>/liter) applied in one coat.

For improved sealing and dustproofing properties, a second coat is recommended at a rate 400 – 600 ft<sup>2</sup>/gal (9.8 – 14.8 m<sup>2</sup>/liter).

## Storage

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

## Shelf Life

Setseal Mono WB309 has a shelf life of 12 months from date of manufacture if stored in dry conditions in original unopened packs.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

## Cautions

### Health and safety

As with all acrylic paints, care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information refer to the Material Safety Data Sheet.

### Fire

Setseal Mono WB309 is water based and 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).

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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.

