

Setseal AW309 Plus

High solids, multipurpose water based acrylic curing compound and sealer



DESCRIPTION

Setseal AW309 Plus 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 AW309 Plus dries to produce a UV resistant, durable, clear film on concrete, which makes it ideal for interior and exterior use.

Setseal AW309 Plus is designed to overcome 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 AW309 Plus is mainly used for newly cast concrete and cementitious surfaces that contain GGBFS, PFA, microsilica, dry shake hardeners or limestone to retain sufficient moisture to ensure full hydration of the cement.

Typical application areas include:

- » High rise construction to eliminate water curing.
- » Runways and roads.
- » Roof decks.
- » Retaining walls.
- » Irrigation canals.
- » General floor slab and columns.

ADVANTAGES

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

OVERCOATING

Setseal AW309 Plus can be over coated with the following:

- » Polymer modified cementitious paint.
- » Acrylic paints.
- » Bituminous emulsion paints.
- » Cosmetic cementitious repair materials from DCP.

TECHNICAL PROPERTIES @ 20°C:

Colour:	White emulsion turns to clear upon drying
Specific gravity:	1.02 ± 0.04
Solid content:	≥ 25%
Cure times at 50% relative humidity:	
Tack free	2 - 3 hr
Full cure	24 hr
VOC:	< 100 g/ltr (comply with LEED)

- » It is recommended to remove Setseal AW309 Plus by water jetting or light sand blasting before application of materials other than mentioned above.

STANDARDS

Setseal AW309 Plus complies with ASTM C309, Type I, Class A & B & ASTM C1315, Type I, Class A when applied at the recommended coverage rates.

METHOD OF USE

Setseal AW309 Plus 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 AW309 Plus well before use to ensure even pigment dispersion.

Setseal AW309 Plus should be spray applied, the spray nozzle should be held approximately 450mm 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 case of formed concrete, Setseal AW309 Plus should be applied immediately after de-shuttering. In such a case the concrete surface must be dampened with clean water prior application of Setseal AW309 Plus.





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REMARKS

- » Setseal AW 309 Plus minimum application temperature is 5°C.
- » Solvent based curing compounds are also available from DCP.

CLEANING

Tools and equipment can be cleaned with soaped water when wet. Dried Setseal AW309 Plus should be removed with DCP Solvent.

PACKAGING

Setseal AW309 Plus is available in 25 litre jerrycan and 200 litre drums.

COVERAGE

For use as a curing compound in accordance with ASTM C309, the recommended coverage rate is 3 - 5 m²/litre applied in one coat.

For use as curing and sealing compound in accordance with ASTM C1315, the recommend application is 7.4 m²/litre/ coat, applied in two coats.

STORAGE

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

SHELF LIFE

Setseal AW309 Plus has a shelf life of 12 months from date of manufacture if stored in proper conditions in un-opened drums.

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

CAUTIONS

HEALTH AND SAFETY

Setseal AW309 Plus should not come into contact with skin or eyes.
In case of accidental splashes to the eyes, rinse 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

Setseal AW309 Plus is a water based and 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.



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.