

Setseal® AW Clear

Multipurpose acrylic based concrete curing compound



DESCRIPTION

Setseal AW Clear is a single component designed to impregnate concrete surfaces combining the benefits of a curing aid and hardener.

Setseal AW Clear 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.

Setseal AW Clear is supplied as a white liquid, which dries to form a transparent film when applied to concrete surfaces.

APPLICATIONS

Setseal AW Clear 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 AW Clear can be over coated with the following:

- » Polymer modified cementitious paint.
- » Acrylic paints.
- » Bituminous emulsion paints.
- » Cosmetic cementitious repair materials from DCP.
- » It is recommended to remove Setseal AW Clear by water jetting or light sand blasting before application of materials other than mentioned above.

TECHNICAL PROPERTIES:

Colour:	Milky white, clear when dry
Specific gravity:	1.01 @ 20°C
Cure times at 50% relative humidity:	
Tack free	2 - 3 hr @ 20°C
Full cure	24 hr @ 20°C

STANDARDS

Setseal AW Clear complies with AASHTO M148 and ASTM C309, Type I, Classes A and B.

METHOD OF USE

Setseal AW Clear 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 Clear well before use.

Setseal AW Clear 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 AW Clear 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 Clear.

REMARKS

- » Setseal AW Clear 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 AW Clear should be removed with DCP Solvent.

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Setseal® AW Clear

PACKAGING

Setseal AW Clear is available in 5, 20 litre pails and 200 litre drums.

COVERAGE

The recommended coverage rate is 3 - 5 m²/litre.

STORAGE

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

SHELF LIFE

Setseal AW Clear 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 AW Clear 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 AW Clear is a water based and nonflammable.

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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.

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