

Setseal RB90

A resin based multipurpose curing compound



Description

Setseal RB90 is a resin based curing compound when applied on concrete surfaces act as barrier and retain water more than 90% for the 28 days curing period.

The Setseal RB90 resin has the ability to reflect the rays of the sun, thereby keeping the temperature of the concrete to minimum, which helps to prevent thermal stresses. All Setseal RB90 resin films have a 'built-in' break down system, causing the resin film to disintegrate by the action of ultra-violet light over a period of two to three months, depending on weather conditions, except Setseal RB90 resin aluminized which breaks down by physical abrasion.

Applications

Setseal RB90 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 construction to eliminate water curing.
- ▲ Runways and roads.
- ▲ Roof decks.
- ▲ Retaining walls.
- ▲ Irrigation canals.
- ▲ General floor slab and columns.

Advantages

- ▲ Ready mixed, single coat application forming a barrier to water loss for 28 days curing period.
- ▲ Totally reliable eliminating risk of poor or erratic curing.
- ▲ Minimizes risk of drying shrinkage cracks and dusty surfaces.
- ▲ Non-toxic.
- ▲ Chloride free.

Standards

Setseal RB90 complies with ASTM C309 as Type I, Class B and will give 90% or more curing efficiency when tested to BS 7542:1992.

Method of Use

Setseal RB90 should be spray applied as soon as possible to the fresh concrete, provided that the surface water has evaporated.

Technical Properties:

Colour:	Silver
Specific gravity:	0.85 ± 0.05 @ 27°C
Curing efficiency: (water retention)	Minimum 90%

Do not apply if bleed water is forming, or is present on the concrete surface. Stir Setseal RB90 well before use to ensure even pigment dispersion.

Setseal RB90 should be spray applied, the spray nozzle should be held approximately 450 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 case of formed concrete, Setseal RB90 should be applied immediately after de-shuttering. In such a case the concrete surface must be dampened with clean water prior application of Setseal RB90.

Remarks

- ▲ It is important that the complete removal of Setseal RB90 is ensured prior to the application of any surface finishes or additional surface treatments.
- ▲ Setseal RB90 can be removed by using high pressure steam, water jetting or light sand blasting.
- ▲ It is recommended to use Setseal A/AW where the concrete is to receive a coating or further surface treatment. (Refer to the relevant product's technical data sheet).
- ▲ Setseal RB90 minimum application temperature is 5°C.

Cleaning

The spray equipment should be cleaned immediately with fresh water. If the spray nozzle becomes blocked with resin particles, these can be easily removed using white spirit or similar solvent.

Setseal RB90

Packaging

Setseal RB90 is available in 50 and 200 litre containers.

Coverage

The recommended coverage rate is 4 - 5 m²/litre.

Storage

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

Shelf Life

Setseal RB90 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 RB90 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 RB90 is flammable.

Flash Point:

Setseal RB90: 45°C.

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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.

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.

