

# ULTRACURE 30

## Wax-Based Concrete Curing Compound

### Description

**ULTRACURE 30** is a water-based, paraffin wax curing compound that protects concrete surfaces from fast evaporation of the mixing water. This product creates a regular and continuous film on the surface of fresh concrete preventing water evaporation and allowing concrete to cure and attain high strength. The film can also act as a bond breaker between initial and subsequent concrete pours.

### Features & Benefits

- Economical and easy to apply
- Water based, non-flammable
- Reduces the incidence of plastic shrinkage cracking.
- Creates a dust free, hard wearing surface.
- Eliminates the need for curing water.
- Reduce the permeability of concrete
- Improves uniform hydration (excellent curing efficiency > 75%).

### Uses

**ULTRACURE 30** is applied to concrete surfaces after mold release (piers, walls, retaining walls, prefabricated elements, either grey or white cement). It is used as an effective and economical curing agent compared to the traditional Hessian, water and polythene curing system. It is suitable for all general concreting applications of particular benefit for large area concrete surfaces, such as airport runways, columns, slabs, roads and bridgeworks.

it is recommended to be used as concrete sealer and dust proofing coating.

Can be used as bond breaking film for the vertical faces of precast bridge segments during match casting.

### Technical Properties

Appearance	Milky white Liquid
Finishing film color	Transparent, also available white pigmented

Density	1,000 Kg/m <sup>3</sup> approx.
pH @ 25 °C	8.5 – 9.0
Drying time	< 4 hours
Curing Efficiency	>75%

All values are subject to 5-10% tolerance

### Standards Compliance

- ASTM C309. Type 1&2 Class B
- BS 7542, BS 8110
- AASHTO M148 type 1 Class A

### Application Instructions:

Carefully stir the container before use. **ULTRACURE 30** has been designed for spray application to the newly laid concrete. A thin film of **ULTRACURE 30** is applied to the whole surface using a hand operated spray gun. Surface should be free of water. In case of horizontal surfaces, the product should be applied as soon the bleed water has evaporated from the surface. In the case of formed concrete, **ULTRACURE 30** should be applied immediately on removal of the formwork.

Apply **ULTRACURE 30** with a rate of 4-5 m<sup>2</sup> per Ltr. In certain cases, especially during high temperature or windy seasons, rate of application might be increased. Consult SBI Technical Department for recommendation.

After application, do not spray water or any other material, allow product to cure without disturbance.

Avoid compaction or vibration activities close to the treated areas as this will break the integrity of the curing film.

### Subsequent surface finishes:

**ULTRACURE 30** must be removed from concrete surfaces prior to the application of a coating, this is necessary to ensure adequate bond of the coating material to the concrete substrate.

## Coverage

Coverage rate 4-5 m<sup>2</sup> per Ltr

## Packaging

**ULTRACURE 30** is available in 20& 210 Lt drums.

## Cleaning

Clean the used equipment and tools with water.

## Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

## Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

## Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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