

# SMARTCARE CURING COMPOUND WB

CONCRETE ADMIXTURE

Water-based curing compound.

## PRODUCT DESCRIPTION

Smartcare Curing Compound WB is a water-based wax emulsion curing compound designed to form a moisture-retaining film over freshly placed concrete. It prevents rapid evaporation of water, ensuring complete cement hydration and improved durability. This eco-friendly, non-toxic compound complies with ASTM C309 standards and eliminates the need for traditional hessian curing methods. It ensures the hydration of cement for strength development in concrete. It can be used for both curing and sealing the concrete.

## KEY FEATURES

- **High Curing Efficiency:** The product offers high curing efficiency and ensures compliance with ASTM C309 standards.
- **Eco-Friendly and Non-Toxic Formulation:** It is a water-based, eco-friendly, and non-toxic formulation that is safe for the environment.
- **Crack Reduction:** The compound reduces plastic and drying shrinkage cracks in concrete surfaces.
- **Surface Dust Minimization:** It minimizes surface dusting and seals the concrete to provide a dust-free surface.
- **Improved Durability:** The product improves the overall durability of the concrete and protects it from chloride penetration.
- **Elimination of Water Curing:** It eliminates the need for traditional water curing methods.
- **Reflective Film Formation:** The compound forms a uniform, white film that provides better reflectivity for the treated surface.

## PRODUCT BENEFITS



Chloride  
Shield



Heat  
Reflectivity



Water  
Conservation



Crack  
Prevention

## PACKAGING

5 Liter, 20 Liter and 200 Liter Drums

## TECHNICAL PROPERTIES

Properties	Value
Appearance	White
Theoretical coverage	0.20 – 0.285 L/m <sup>2</sup>
State	Liquid
Specific gravity	1 + 0.005
Density	1.00 ± 0.02 kg/L
Minimum application temperature	10°C
VOC Content	Low, water-based formulation
Toxicity	Non-toxic

## APPLICATION AREAS

- Ideal for large exposed concrete surfaces such as pavements, runways, and bridge decks.
- Suitable for vertical and sloping surfaces where water curing is difficult.
- Recommended for high-rise structures to eliminate traditional curing methods.
- Suitable for most concrete surfaces.

## APPLICATION METHOD

Stir contents thoroughly before use. Apply uniformly using a low-pressure spray as soon as surface water has evaporated. Maintain the spray nozzle at approximately 450 mm from the surface for even coverage. For vertical surfaces, apply immediately after formwork removal.

### Equipment

- Knapsack sprayer (5–10 litres capacity) with adjustable spray nozzle.
- Motorised sprayer for large areas.
- Ensure spray produces a fine mist for uniform coverage.
- Clean equipment immediately after use with fresh water; if blocked, use white spirit for wax particles.

## PRODUCT LIMITATIONS

Not available

## STORAGE CONDITIONS

Store the product in tightly sealed containers in a shaded, cool, and dry place away from direct sunlight. To maintain product integrity, ensure the container is stored in an upright position with the lid tightly closed.

## SHELF LIFE

The shelf life for this product is 6 months when it is stored according to the recommended guidelines in a shaded, cool, and dry environment.

## SAFETY PRECAUTIONS

- Always wear protective gloves, goggles, and clothing during mixing and application to prevent skin or eye irritation.
- Avoid direct contact with skin or eyes; in case of contact, wash the affected area with plenty of clean water.
- If inhaled, move the affected person to fresh air immediately and seek medical advice if discomfort persists.
- Ensure proper ventilation at the site of application to avoid inhalation of fumes.
- Keep away from heat, sparks, and open flames. Do not smoke during handling.

## CERTIFICATIONS

SmartCare Curing Compound WB complies with ASTM C 309.

## DISCLAIMER

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