



ISO 9001:2000  
Certified Company

# Zahabiya

## CONCRE-CURE – WB

### Concrete Curing Compound (ASTM C309 Class 'A')

The concrete normally needs efficient curing in order to optimise its final properties in the specified time. This entails retaining the maximum moisture content for as long as possible in order to ensure complete hydration of cement. Normally, quick drying of concrete results in low mechanical resistance, powder formation and shrinkage cracks in the surface specifically due to faulty hydration of cement. The more effective the curing, the stronger and more durable will be the concrete and the greater its resistance to abrasion.

**Zahabiya CONCRE-CURE** is an ASTM C309 Class 'A' type concrete curing compound, providing an economical safe and efficient means of retaining the moisture and water in freshly laid concrete. It is a solvent-free, water based, safe to use curing compound of high efficiency behaving as liquid membrane, used effectively on the basis of single rich coat application for curing all structural concrete, bridge works, pavements, slabs, walls, reservoirs etc. Especially useful in large areas of exposed concrete such as roof decks/tops, retaining wall, irrigation canals/channels, pre-stressed beams etc. It is spray/ roller/ brush applied, forming an impervious, colourless, continuous, reflective film preventing water evaporation ensuring complete hydration of concrete. It helps to reduce cracking due to the thermal expansion. The use of this product alleviate other traditional costly curing methods such as Hessian watering which is quite laborious and time consuming being difficult to handle on vertical surfaces.

#### Features:

- 1 Penetrates to retard premature evaporation of water.
- 1 Helps to maintain water percentage resulting the desired structural strength development of concrete.
- 1 Allows the process of hydration to proceed under optimum conditions.
- 1 Results into the finished concrete having a harder, dust free surface on drying.
- 1 Reduces shrinkage and hairline cracks to minimum.
- 1 Provides efficient curing even in strong sun light especially in tropical and high atmospheric temperature.
- 1 Cured film is water repellent & clear.
- 1 The film gradually disintegrates on weathering after about a month from application.



#### APPEARANCE:

White emulsified fluid.

#### pH:

6.5 to 7. [ASTM E70]

#### SPECIFIC GRAVITY:

0.98-1.00 at 25°C. [ASTM D891]

#### COVERAGE:

5 to 6 m<sup>2</sup>/litre is recommended for high degree of curing efficiency in normal climatic zone.

#### CURING EFFICIENCY:

More than 75% [ASTM C309]

#### DRYING TIME:

About 2 hours at 35°C to 40°C & 60% relative humidity. [ASTM D1640]

#### SAFETY:

Non-toxic, Non-flammable & safe in handling. A **"Human Friendly/ Environmentally Acceptable"** Product. Can be used safely on concrete coming into contact with potable water.

#### APPLICATION:

Particularly suitable for hot tropical climatic conditions for preventing water loss in concrete surfaces. It is sprayed on to newly laid surfaces to form a thin film barrier against pre-matured water loss. The Concrete is allowed to cure without disturbance to the normal setting action to achieve maximum properties when cured. Should be spray applied evenly to the freshly placed concrete, so soon as the initial surface sheen has disappeared from concrete face or at such time when the concrete is as green as possible or as soon as possible after concrete is free from surface water.



#### STORAGE:

Store the compound at a well-ventilated place, away from the direct source of heat/sun between 25-30°C. Mix well before every use to ensure uniform application.

#### SHELF LIFE:

Useable best up to 2 years from the manufacturing date, provided stored air-tight in the original containers, at above temperatures.

#### IMPORTANT NOTICE:

*The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original product only, provided used within shelf life as supplied originally.*

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