S3 Technologies
REDEFINING BUILDING SOLUTIONS

SmartCure WB

Water-Based Curing Compound

SmartCure WB is a water-based curing compound. When applied to freshly laid concrete, it forms a membrane on the concrete surface. This membrane helps retain water to allow proper curing of the concrete.

FIELDS OF APPLICATION

- Suitable for curing all types of concrete and mortar
- Especially suited for replacing solvent-based compounds in interior applications

BENEFITS

- Non-flammable and non-toxic
- Efficient moisture barrier
- Reduces surface drying shrinkage cracking
- Non-staining
- Easy application

TECHNICAL DATA

PROPERTY	TYPICAL RESULTS
Drying Time (ASTM D1640) To Touch (Tack Free)	1 - 2 hours
Solids Content	15%
Specify Gravity @ 25°C	1.02 g/cm³
Water Retention (ASTM C156)	≤ 0.55 kg/m² after 72 hours

• All the data shown are based on controlled laboratory test (T=27±2°C and RH=60%)

SURFACE PREPARATION

- All molded surface concrete substrates must be cleaned to remove contaminants such as oil, grease, dust, laitance, etc. This is necessary to ensure wet adhesion for **SmartCure WB**.
- Any ponding of rain water must be swept away or dried with a sponge. This will prevent dilution of **SmartCure WB** during application.
- Remove any hessian or covering.

PLACING

- Before application, stir content thoroughly. **SmartCure WB** can be applied to concrete surface as soon as finishing operations are completed and when the surface moisture has disappeared.
- Use a soft brush, broom or wide nap roller for application. Low-pressure sprayer is most suitable for large area application.
- Make at least 2 passes over the surface to ensure an even coverage.
- Apply to vertical surfaces immediately after formwork has been removed. Apply at an even coverage rate that is not greater than 6 m^3 per litre.

COVERAGE / YIELD

Maximum coverage for **SmartCure WB** is:

- Vertical Surfaces : 4 m^2 / litre
- Horizontal Surfaces : 6 m^2 / litre

Material consumption on vertical surfaces is higher because **SmartCure WB** will flow downwards.

LIMITATIONS

SmartCure WB is formulated for general concrete curing. For concrete curing requirements satisfying ASTM C309, please consult your local representative for a suitable alternative.

PRECAUTIONS

- Do not apply over concrete which will receive concrete toppings, epoxy coatings or urethane coatings. Remove the cured membrane before applying topping by scarifying machine to remove the coating completely.
- Prevent contact with any form of water.
- Avoid eye and skin contact as the product is alkaline.
- Gloves, goggles and dust mask should be worn.
- Wash thoroughly after handling.
- In case of eye contact, flush with plenty of clean water. Seek medical help immediately.

PACKAGING & STORAGE

SmartCure WB is supplied in 200 litres drum. A coloured grade is available for easy identification of areas already coated. The colour will depend on the colouring used during manufacturing. The colour will slowly disappear after aging under environmental conditions such as sunlight and rain.

SmartCure WB has shelf life of 12 months if stored in a cool and dry place in sealed packaging with sheltered protection from rain and sunlight.

DISCLAIMER

All information was prepared carefully, using current references available to us. Information provided is to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability and completeness of information provided here for their intended use. We do not accept liability for any loss or damage that may occur from the use of this information.