

# CEMCURE SB

## Solvent Based Concrete Curing Compound

### Description:

CEMCURE SB Solvent based resin modified concrete curing compound when applied to freshly casted concrete prevents rapid evaporation of water from fresh concrete surfaces.

CEMCURE SB acts as a barrier retaining the mix water in the concrete to ensure proper reaction and cement hydration, high surface strength, dust free, and higher resistance to abrasion and protection from drying shrinkage.

### Applications:

CEMCURE SB is used as an effective and economical curing agent compared to the traditional Hessian, water and polythene curing system. It is suitable for all types of concrete surfaces and can be applied in many applications such as:

- Commercial and industrial Concrete surfaces for sidewalks, patios, multilevel parking decks, driveways and parking areas.
- Slabs, walls and columns newly casted.
- Concrete pavements for Airport taxiways and harbours docks.
- Casted walls and slabs.
- Traditional concrete casting of cement pipes, slabs, walls and columns.
- For exterior concrete surface to provide permanent durable, long-lasting finish that has improved resistance to chemicals, oil, grease, deicing salts and abrasion.

### Advantages:

- High curing efficiency as it produces an impermeable seal, yielding optimum moisture retention.

- Minimizes cracking, dusting, spilling and other defects common to improperly cured concrete.
- Cures and seals freshly placed concrete simultaneously in one application.
- Improves the concrete surface Resistance against chemicals, oil, grease, and abrasion.
- Serves as Dust proofer /sealer for concrete casted floors.
- Ease of application, applied manually or by a manual spray pump.

### Instructions for Use:

#### Mixing:

When opened stir the drum contents of CEMCURE SB very well before each application, do not add water to the product or dilute, product is ready to use directly, product is flammable, avoid direct sunlight and placing in high temperatures.

#### Application:

CEMCURE SB should be applied uniformly by paint roller, soft bristled broom, or spraying machine to the surface of fresh concrete. The timing of application is important. CEMCURE SB should be applied after setting of cement, immediately after evaporation of the surface water. The surface should be free of bleed water and the concrete surface sheen should not be seen. It is during this time that the concrete is most vulnerable to spalling, hair cracking, and other surface defects.

In the case of vertical concrete elements, CEMCURE SB should be applied immediately on removal of the formwork. Application on damp surface is preferable as dry concrete surface may absorb CEMCURE AR emulsion, which may cause difficulty to remove the dry film at a later stage Apply CEMCURE SB with a rate of 0.2 Lt. per m<sup>2</sup>. In certain cases, especially during high temperature or windy seasons, rate of application may be increased to avoid the surface from drying to ensure thorough penetration.

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After the application of CEMCURE SB, do not apply any water to the coated surface. Allow the applied product to cure in order to form an integrated strong film. Avoid compaction or vibration activities close to the treated areas as this will break the integrity of the cured film.

CEMCURE SB should never be applied on concrete which has started to dry out, otherwise the hydration mechanism will be seriously impaired.

CEMCURE SB film should be removed from concrete surface prior to the application of subsequent coat finish or treatment, using water jet, light sand blast or by electrical steel brush. Subsequent application, as floor or wall coating systems using epoxy, polyurethane, bituminous and acrylic coatings, tile fixing using latex modified tile adhesive, cement based plaster can only be done on concrete surfaces treated with CEMCURE SB after the removal of the cured film. It is however, recommended to check the adhesion of any particular application by carrying out a site trial test to ensure a satisfactory performance.

For further technical information on specific applications, contact MATEX Technical Office.

## Standards:

CEMCURE SB conforms to:

- ASTM C 309, Type I, Classes B
- BS 7542, BS 8110, Part 1
- AASHTOM-148

## TECHNICAL PROPERTIES:

|             |   |               |
|-------------|---|---------------|
| Color       | : | Clear Liquid  |
| Density     | : | 0.80 Kg. /Lt. |
| Efficiency  | : | >75%          |
| Drying Time | : | 40 minutes    |
| Flash Point | : | 34°C          |

## Coverage:

CEMCURE SB coverage rate is 5.0 square meters per liter.

## Packaging:

CEMCURE SB is supplied in 210 liter drums.

## Storage Conditions:

Store in original packing in dry conditions away from direct sunlight.

## Shelf Life:

CEMCURE SB can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

## Cleaning:

Equipment used should be cleaned promptly with SOLVENT before product dries.

## Remarks:

- Concrete containing calcium chloride will look dark when treated with CEMCURE SB.
- Weather factors such as wind, heat greatly reduce the effectiveness of CEMCURE SB. The product should not be applied during high temperature conditions in direct sunlight. These conditions cause rapid evaporation, which does not allow the film to form properly.
- Use only on green, fresh poured concrete.
- Protect areas not intended for coverage. If contact occurs, clean immediately using solvent and a cloth or brush.
- CEMCURE SB should not be applied during rainy days.
- CEMCURE SB should only be applied in well ventilated areas.

## Health and Safety:

- Use goggles and gloves during application. Do not breathe dust of product.
- Use only in well ventilated areas.
- Avoid contact with eyes or skin.
- Provide adequate ventilation in working area.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

