

## MASTERCURE WB 2M

### WATER BASED WHITE PIGMENTED CONCRETE CURING COMPOUND

#### DESCRIPTION

**MASTERCURE WB-2M** is a water base white pigmented membrane forming wax emulsion, suitable for curing newly placed or freshly deshuttered concrete assists in the retention of water during hydration.

The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. Membrane cured concrete is typically harder and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks.

Once the membrane is formed, it will remain on the concrete until eventually broken down and eroded by natural weathering. When it is required to apply a further treatment to such concrete surface, it is necessary to remove the membrane by wire brushing or other mechanical means.

#### FEATURES / ADVANTAGES

- Prevents rapid water evaporation
- Single application
- Promotes a harder dust free surface
- Reduces drying shrinkage
- Reduces the incidence of hairline cracks
- High curing efficiency
- Reduced labour costs
- Solar reflective
- Enhances cement hydration & provides more durable concrete

#### TYPICAL APPLICATION

- Highways
- Runways
- Industrial floor slabs, walls and columns parking garages, warehouses, terrazzo floors etc.
- Horizontal or vertical concrete, interior or exterior concrete.

#### TYPICAL CHARACTERISTICS

- Nature : Single component liquid.
- Type : Water based compound with white pigments.
- Color & appearance : Milky White low viscous liquid.
- Specific Gravity @ 30°C : 1.015 ± 0.020 gm./cc
- Water loss ( ASTM C156) : < 0.55 kg/m<sup>2</sup>
- Drying time : < 4 hrs
- Day light reflectance : > 60%
- Standards : ASTM C309 Type 2 – Class A and BS 7542

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#### DIRECTION FOR USE

1. **STIR WELL BEFORE USE** – Stir the Mastercure WB-2M liquid thoroughly before use. Ensure the white pigment present in the liquid is homogeneously dispersed before the material is applied.
2. **APPLICATION** – Mastercure WB-2M has been designed for spray application over the freshly laid concrete once the visible surface water has evaporated from the green concrete surface i.e. typically 30 to 120 minutes after placing the concrete. A thin layer of Mastercure WB-2M is applied to the whole concrete surface using a power driven equipment's. For small areas hand operated spray gun can be used. Ensure uniform application. The pump pressure should be maintained level to produce fine spray. Allow the product to dry 4 to 6 hours exposure to foot traffic. Protect the applied area from rain for at least 2 to 4hours.
3. **COVERAGE** – The rate of application is in the range of 4 to 5 Sq.Mtr. per 1 ltr. Depending on wind humidity and temperature.
4. **CLEANING OF TOOLS AND EQUIPMENTS** – Immediately after use the spray equipment should be cleaned out thoroughly with fresh water. If the spray nozzle gets blocked it can be easily cleaned with white spirit or solvent.

#### STORAGE AND SHELF LIFE

It has a shelf life of 6 months. Containers should be kept airtight & in sealed condition to prevent any reduction in shelf life Store the material below 35°C temperature. Freezing & exposure to heat &direct sunlight should be avoided.

#### PACKING

5 liters, 20 liters and 200 liters

#### PRECAUTIONS

It is advisable to wear goggles while spraying. Inhalation of spray should be avoided. When it contacts with skin, should be rinse with plenty water. Seek medical advice in case of contact with eyes.

#### DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential non performance.