

CEMCURE WX

Water Based Concrete Curing Compound

Description:

CEMCURE WX is a water based resin modified concrete curing compound. It is formulated that when applied to freshly casted concrete it prevents rapid evaporation of water from the concrete surfaces.

CEMCURE WX acts as a barrier retaining the mix water in the concrete to ensure proper reaction and cement hydration. The results is a high surface strength, high resistance to abrasion and protection from drying shrinkage. CEMCURE WB is an environmentally friendly product.

Uses:

CEMCURE WX 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, including the following applications:

- Curing of shear walls, slabs and columns newly casted.
- Concrete mixes enhanced with Micro silica and GGBS to ensure good curing.
- Can be applied for curing large areas effectively, such as pre-cast concrete, highways, decks, etc.
- Curing of Casted cement pipes
- Can be used as dustproof, clear sealer for concrete surfaces.

Advantages:

- Enhances hydration process to produce durable concrete
- Cost effective, with high curing efficiency.
- Reduces surface cracking and shrinkage.
- Resistance to oil and grease.
- Serves as dust proofer/sealer for concrete casted floors.
- Ease of application, applied manually or by spray pump.
- Water based, environmentally friendly product.

Instructions for Use:

Mixing:

CEMCURE WX should be well stirred before each application. Do not apply CEMCURE WX if temperature is less than 5°C. Do not dilute with water as the product is ready to use.

Application:

CEMCURE WX 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 WX 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 WX should be applied immediately on removal of the formwork.

Apply CEMCURE WX with a rate of 0.2 Lt. per m². In certain cases, especially during high temperature or windy seasons, prevent the surface from drying to ensure thorough penetration. After the application of CEMCURE WX, allow the curing compound to dry properly, do not apply any water to the coated surface.

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

Overcoating:

CEMCURE WX will deteriorate with time by physical abrasion and weathering effect. Complete removal of the curing treatment is necessary to ensure proper bonding of the coating material applied to the surface, such as epoxy, polyurethane, bituminous and acrylic coatings, or cementitious applications such as tile adhesive or cementitious key coat. To ensure complete removal of curing compound use electric wire brush or water jetting, or light sand blasting.

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Standards:

CEMCURE WX conforms to:

- ASTM C309, TYPE 1, CLASS A
- AASHTOM148, TYPE 1, CLASS A

TECHNICAL PROPERTIES:	
Color	: Milky white liquid
Density	: 1.0Kg. /Lt.
Water Retention	: Pass
Drying time	: Less than 4 hours
pH	: 10-12

Coverage:

CEMCURE WX coverage rate is 10 square meters per liter at 100 micron thickness.

Packaging:

CEMCURE WX is supplied in 210 liter drums.

Storage Conditions:

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

Shelf Life:

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

Cleaning:

Used tools can be cleaned with water before the product dries.

Remarks:

- Weather factors such as wind, heat greatly reduce the effectiveness of CEMCURE WX.
- Use only on green, fresh poured concrete.
- Protect areas not intended for coverage. If contact occurs, clean immediately using water and a cloth or brush.
- Do not allow the product to puddle.
- Do not apply when ambient temperature is < 5°C.

Health and Safety:

- Use goggles and gloves during application. Do not breathe vapor of product
- Avoid contact with eyes or skin.
- Provide adequate ventilation in working area.
- In case of eye contact, flush thoroughly with plenty of water and seek immediate medical help.

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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.

