

CEMCURE WX

Water Based Concrete Curing Compound

Description:

CEMCURE WX is a ready to use, water based concrete curing compound. It dries to form a clear, non-penetrating, continuous membrane over new concrete that helps to retain moisture thereby ensuring full hydration of cement, essential for optimum strength development. It improves the hardness of cured concrete and develops a dust free surface that is less prone to drying shrinkage cracks.

Uses:

CEMCURE WX is used as an effective and economical curing agent compared to the traditional Hessian, water and polythene curing system. CEMCURE WX is beneficial in hot tropical climates where strong sunlight and winds can dramatically increase the risk of drying shrinkage on all areas of fresh concrete. 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:

- Cured film is clear and water repellent.
- 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.

CEMCURE WX

Standards:

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

TECHNICAL PROPERTIES	
Color/Appearance	Milky white liquid
Density	1.0 ± 0.03 kg/lit
Curing Efficiency (ASTM C309)	>90%
Drying Time	Less than 4 hours

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

CEMCURE WX coverage rate is 5.0-6.0 square meters per liter depending on surface porosity and texture.

*Coverage rate is an approximate value, and subject to actual site conditions.

Packaging:

CEMCURE WX is supplied in 200 liter drums.

Storage Conditions:

Store in original packing in dry conditions away from direct sunlight. Damaged packaging, high humidity or extreme temperatures may reduce the shelf life. Store between 10°C to 30°C.

Shelf Life:

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

Cleaning:

Used tools can be cleaned with water and detergent before the product dries. Hardened materials can only be removed mechanically.

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:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

FIRST AID:

Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.

Skin: Wash skin thoroughly with soap and water

Inhalation: Remove to fresh air, keep patient rested

Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to CEMCURE WX Material Safety Data Sheet.

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