



AEROTM
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

AEROCURE WAX (WHITE)

Wax Based White Pigmented Concrete Curing Compound

Description

AEROCURE WAX (WHITE) is a white Pigmented, low viscosity wax emulsion which incorporates a special alkali reactive emulsion breaking system. This system ensures that the emulsion breaks down to form a non-penetrating continuous film immediately upon contact with a cementitious surface. This impervious film permits more efficient cement hydration, thus reducing shrinkage and increases durability. Once formed, the membrane will remain on the concrete surface until eventually broken down and eroded by natural weathering, where it is required to apply a further treatment to such concrete surface, it may be necessary to remove the membrane remaining after curing by wire brushing or other mechanical means. The use of AEROCURE WAX (WHITE) on internal floor slabs is generally avoided where additional surface finishes are to be applied (In such case use AEROCURE S or AEROCURE S (WHITE). AEROCURE WAX (WHITE) is however ideal where the concrete surface of floor slab is to be left as 'finished' Standard Complies : ASTM C-309, Type 2, Class A

Uses

For spraying on freshly cast concrete, or newly exposed concrete surfaces after removal of form work, to form a temporary membrane which will retain sufficient moisture for effective curing to take place.

AEROCURE WAX (WHITE) is ideal for application on exterior, horizontal surfaces, such as highways, airports, and street and curb paving. SAYOCURE WAX (CLEAR) is not recommended for residential applications. The product provides optimum curing when protection from the sun's heat is desired.

Advantages

- When properly applied, provides a premium grade film, which optimizes water retention.
- Protects by reflecting the sun's rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking.
- Furnished as a ready-to-use, true water-based compound.
- Produces hard, dense concrete ... minimizes hair checking, thermal cracking, dusting and other defects.
- Offers a compressive strength significantly greater than improperly or uncured concrete.
- Increases tensile strength for greater resistance to cracking and surface crazing.
- Improves resistance to the abrasion and corrosive actions of salts and chemicals ... minimizes shrinkage.
- Applies quickly and easily with conventional commercial spray equipment.
- VOC compliant ... VOC content is <100 g/L.

Typical Properties & Specifications:

Sr.No	Properties	Specification
1	Physical Appearance	White liquid
2	Specific Gravity @ 30 °C	1.005 ± 0.005
3	Drying Time @ 30 °C	< 4 hours approx. (as per ASTM C-309)
4	Reflectance (ASTM C-309)	70 %

Instruction for use

Surface Preparation

- As AEROCURE WAX (WHITE) is ready to use, no preparation is required for using it.
- AEROCURE WAX (WHITE) should be applied as quickly as possible on fresh concrete.
- Surface should be pre - wetted before applying AEROCURE WAX (WHITE) ensuring that there is no free water on the surface at the time of application.

Application

Preparation

Application equipment must be clean and free of any previously used materials.

Mixing

Any settling or separation in the container must be re-dispersed with gentle agitation prior to use. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY. DO NOT THIN.

Application Method

Spray on in one even coat with a hand or power sprayer as soon as the surface water disappears from concrete surface.

Cleaning

Cleanup ... Prior to drying, equipment may be easily cleaned with soap and water. Once dried, use mineral spirits or other suitable petroleum solvent.

Limitations

Concrete staining may occur if AEROCURE WAX (WHITE) is applied to dry surfaces.

AEROCURE WAX (WHITE) should be protected from rain and traffic for three (3) hours after application, or until the membrane has completely dried.



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To prevent clogging, regular cleaning of jet sprays during application is recommended.

A should not be over coated with other coatings or treatments. If material is to be applied over the top of a surface treated with AEROCURE WAX (WHITE), sandblasting or solvent treatment is recommended as surface preparation. Early application of AEROCURE WAX (WHITE) will help prevent plastic shrinkage cracks from occurring by reducing the amount of water evaporating. Concrete curing compound, however, will not counter the effects of cracking that may occur as a result of long term drying shrinkage. Good concrete practices must apply when positioning construction joints and shrinkage control joint.

Packing & Coverage

Packing: 1, 5, 10, 50, 100 & 200 ltrs. Containers.

Coverage: 5-6 m² per liter

Shelf Life & Storage

AEROCURE WAX (WHITE) has a shelf life of 12 months from date of manufacture when kept at a temperature between 5 °C to 45 °C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

Quality Assurance

AERO CONCHEM LLP is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2008.

Health & Safety

AEROCURE WAX (WHITE) is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.

OUR RANGE OF PRODUCTS



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