



AEROTM
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

AEROCURE S (WHITE)

Water Based White Pigmented Concrete Curing Compound

Description

AEROCURE S (WHITE) is supplied as a white pigmented, non-stainy, non-toxic aqueous solution which when applied to fresh concrete surfaces, reacts with free lime and seals the pores, thus reducing the evaporation of water from the mix which assists curing process and increasing durability. Applied surfaces can be easily identified due to white pigment. Only single coat is sufficient for complete curing process eliminating the water curing.

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. Used for concreting generally but especially useful for large areas of concrete such as pavements, runways and bridge decks; also for vertical or sloping surfaces as on towers, chimneys, canal linings, columns and beams, where water curing is difficult or unreliable.

Advantages

- Single application : Forms moisture barrier for whole of the curing period.
- No other curing necessary : Eliminates use of water, hessian or sand, completely.
- Reliable : No risk of erratic or poor curing and ensures that cement hydrates efficiently.
- Ensures hard-wearing surface : Minimises risk of drying shrinkage, cracks and dusty surfaces.
- Easy and safe spray application: Non-toxic and nonflammable.

Instruction for use

Surface Preparation

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

Typical Properties & Specifications:

Sr.No	Properties	Specification
1	Physical Appearance	White pigmented liquid
2	Specific Gravity @ 30 °C	1.100 ± 0.005
3	Drying Time @ 30 °C	< 4 hours approx. (as per ASTM C-309)
4	Reflectance (ASTM C-309)	70 %

Application

- AEROCURE S (WHITE) should be stir before use to ensure dispersion of settled material.
- AEROCURE S (WHITE) should be applied to surface of fresh concrete.
- Application should begin as soon as the concrete is free from surface water.
- Do not apply if bleeding water foaming or present on surface.
- At the time of spraying, nozzle of spray should be held approximately 450 mm from the concrete surface and should be pass back and forth to ensure complete and even concrete surface an should be passed back and forth to ensure complete and even coverage.
- After spraying, no further application of water or other material necessary to ensure further curing.
- The concrete surface should not be disturbed until it gets sufficient strength to resist surface load.
- Do not walk on applied film until it gets fully dry and care should be taken to ensure that the film doesn't break.
- Under the conditions of excessive heat or drying wind, polythene, sheet may be used to cover the surface after application of AEROCURE S (WHITE).

Cleaning

Cleaning Equipment used to mix and apply AEROCURE S (WHITE) should be washed immediately after use with clean water.

Limitations

Concrete staining may occur if AEROCURE S (WHITE) is applied to dry surfaces. AEROCURE S (WHITE) should be protected from rain and traffic for three (3) hours after application, or until the membrane has completely dried. To prevent clogging, regular cleaning of jet sprays during application is recommended.



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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 S (WHITE), sandblasting or solvent treatment is recommended as surface preparation.

Early application of AEROCURE S (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 S (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 S (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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