

MONOCURE WX



Water based concrete curing compound

DESCRIPTION

MONOCURE WX is a ready to use water based wax emulsion curing compound, used to prevent moisture evaporation from the concrete surface. It forms a continuous film providing a barrier to premature moisture loss ensuring effective hydration of cement.

MONOCURE WX is supplied as clear and white pigmented colours, the clear colour is a white liquid, which forms a wet white film when applied to concrete surfaces, this dries to form a transparent film.

The white pigment colour is a white milky liquid, which forms a white film after drying and reflect 60 – 80% of the sunlight providing the recommended coverage has been maintained.

The two grades are designed to retain sufficient moisture in the concrete to ensure full hydration of the cement, which is essential for optimum strength development.

APPLICATIONS

MONOCURE WX is used mainly for newly cast concrete and cementitious surfaces to retain sufficient moisture to ensure full hydration of the cement.

TYPICAL PROPERTIES AT 25°C

PROPERTY	TEST METHOD	VALUE
Componet	-	Single
Form	-	Liquid
Colour	-	White
Specific gravity	ASTM D1475	1.00+/-0.05
Curing efficiency	ASTM C156 BS 7542	>90%

ADVANTAGES

- Protects concrete surfaces against premature loss of moisture
- Minimizes potential surface-cracking and shrinkage.
 - Can be spray applied to reduce labor cost.
 - Single component.
 - Promotes a harder dust free surface.
 - Labor saving
 - Helps achieving concrete desired strengths.

STANDARDS

MONOCURE WX is suitable for use in structures that will be in contact with po-table water when tested in accordance with BS 6920.

METHOD OF USE

MONOCURE WX should be spray applied as soon as possible to the fresh concrete, provided that the surface water has evaporated.

Do not apply if bleed water is forming, or is present on the concrete surface. Stir **MONOCURE WX** well before use to ensure even pigment dispersion.

MONOCURE WX should be spray applied, the spray nozzle should be held approximately 450 mm from the concrete surface and passed back and forth to ensure complete coverage. Pump pressure should be maintained to give an even, fine spray.

The applied film should be protected from rain for at least 3 hours; care should be taken to ensure that the film is not broken.

In case of formed concrete, **MONOCURE WX** should be applied immediately after de-shuttering. In such a case the concrete surface must be dampened with clean water prior application of **MONOCURE WX**.

Dry surfaces may prevent correct film formation and cause absorption of the **MONOCURE WX** into the concrete surface, which may lead to staining and difficulty in later degradation and removal.

REMARKS

It is important that the complete removal of the **MONOCURE WX** is ensured prior to the application of any surface finishes or additional surface treatments.

MONOCURE WX can be removed by using high pressure steam, water jetting or light sand blasting.

It is recommended to use **MONOCURE WX** where the concrete is to receive a coating or further surface treatment.

MONOCURE WX minimum application temperature is 5°C. Solvent based curing compounds are also available from STARKE.

CLEANING

Tools and equipment can be cleaned with soaped water when wet. Dried **MONOCURE WX** should be removed with STARKE- Solvent.

PACKAGING

MONOCURE WX is available in 5, 20 and 200 litre containers.

COVERAGE

The recommended coverage rate is 2.5 - 3.5 m²/litre.

STORAGE

Store in a dry area out of direct sunlight between 5°C and 35°C.

SHELF LIFE

MONOCURE WX has a shelf life of 12 months from date of manufacture for the clear version, and 9 months for the pigmented, if stored in proper conditions in un-opened drums.

If these conditions are exceeded, STARKE Technical Department should be contacted for advise.

CAUTIONS

Health and Safety

MONOCURE WX is not classified as hazardous material. In case of accidental splashes to the eyes, rinse with clean water and seek medical advise. Suitable protective gloves and goggles should be worn.

For further information refer to the Material Safety Data Sheet.

FIRE

MONOCURE WX is water based and is nonflammable. STARKE-Solvent is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

FLASH POINT: STARKE-Solvent: 37°C.

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