



Chem Coats (Pvt) Ltd.

ChemCure WBC & WBW

Water-based wax emulsion concrete-curing compound

DESCRIPTION

ChemCure WBC and ChemCure WBW are low viscosity, wax emulsion, water-based concrete-curing compounds. They are applied to green concrete or fresh cementitious surfaces as a non-penetrating film, which appears white after application but then dries to a clear film. **ChemCure WBW** contains a white titanium dioxide pigment, which will further reduce solar temperature gain.

USES

Used for efficient curing of concrete in one easy spray application. Used for curing of large concrete surface areas, such as airport aprons, concrete roads and bridge structures as well as all general applications.

FEATURES AND BENEFITS

- The protective film retains moisture and facilitates more complete hydration of cement, thereby increases the strength and durability of concrete.
- Provides increased wear-resistance and curbs shrinkage, dusting and cracking.
- Prevention of moisture loss reduces permeability, producing a hard wearing, dust-free surface.
- Also available in white-pigmented grade that will assist as a visual guide during application and provide an improved UV barrier.
- Water based product provides easier cleaning and is a non-fire hazard.
- Easy and quick spray, brush or roller application.

SURFACE PREPARATION

If any part of the surface has dried out, it should be wetted down immediately preceding the application, **but do not apply while freestanding or bleed water remains on the surface.** Surface should be saturated but free of surface water prior to application. Quick drying occurs in areas on concrete exposed to draughts, excessive heat and sun.

MIXING

The liquid product must be stirred before use to ensure thorough dispersion of the pigment. The product must not be continuously recirculate in high shear pumps as this will cause the emulsion to break down. Do not add thinners or water.

COVERAGE

The recommended coverage rate is approximately 6 m²/litre. Coverage rates outside this recommended range might be used if necessary to meet specific requirements. Contact **ChemCoats** technical department for advice in such cases.



APPLICATION

Do not apply when the substrate temperature is below +5° C. Apply immediately after the exposed surface has sufficiently hardened to prevent marring by the application. This is especially important in warm or hot climates. Apply uniformly and thinly by spray, brush or roller. Use a garden-type pressure sprayer or a wide short-nap roller to achieve a thin uniform application. This is important as uneven application results in a mottled appearance as the concrete ages. Initially, application has a temporary mirror-like sheen, which visually helps the applicator obtain uniform coverage of all areas, and eliminates wasteful double application. In the case of formed surfaces, apply as soon as forms are stripped. The spray nozzle is held approximately 450 mm from the surface whilst moving the spray head back and forth. An even pressure must be maintained to produce a continuous fine spray, to ensure complete wetting and coverage of the surface. Care should be taken to avoid ponding.

ChemCure WBC & WBW may cause staining and will be difficult to remove due to its wax base. It is therefore not recommended for use on internal floors. For curing of floors refer to **ChemCure WSC & WSW** resin-based curing compounds.

PROTECTION ON COMPLETION

No further treatment of water or other material is required after application. The applied film must not be disturbed or broken. The concrete surface must be kept free from loads or traffic until it has gained sufficient strength.

OVER COATING AND REMOVAL

ChemCure WBC or ChemCure WBW must be removed from a concrete surface before application of a subsequent coating to ensure a good bond of the coated material to the concrete. The wax film will be slowly removed by physical abrasion in normal trafficking exposure. To ensure complete removal use high-pressure water jet or light sand blasting.



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CLEANING

Flush with clean water immediately after use. Blocked spray nozzles may be easily cleared with white spirits.

MODEL SPECIFICATION

Wax emulsion based curing membrane for curing concrete elements after stripping formwork for curing ChemRep repair mortars;

CLEAR FINISH

The curing compound will be **ChemCure WBC**, a clear wax emulsion based curing membrane applied in accordance with the recommendations of **Chem Coats Construction Chemicals**.

PACKAGING

ChemCure WBC & WBW is supplied in 05 litre, 20 litre and 200 litre containers.

HANDLING & STORAGE

ChemCure WBC & WBW has a shelf life of 12 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

HEALTH & SAFETY

ChemCure WBC & WBW is toxic, but non-flammable. Always wear gloves when working with the material and avoid excessive skin contact. If material is splashed in the eye, wash with copious quantities of clean water and seek medical attention.

IMPORTANT NOTE

The information given in this data sheet is based on current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no controls over methods of applications, site conditions etc. In view of the continuing research and development being undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subject to our standard conditions of sale which are available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact your local **Chem Coat's** representative.

RANGE OF PRODUCTS

<u>WATERPROOFING SYSTEMS</u> <u>INDUSTRIAL FLOOR SURFACES</u> <u>PROTECTIVE COATINGS</u>	<u>PREPACKED REPAIR MORTARS</u> <u>CEMENTITIOUS & EPOXY GROUTS</u> <u>CONCRETE ADMIXTURES</u>	<u>SEALANTS</u> <u>CRACK INJECTION</u> <u>CONCRETE ADHESIVE</u>
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