

PRISM JOHNSON LIMITED
RMC India Division
Construction Chemicals Business

Technical Datasheet

Construction Chemicals

ENDURACURE WB 001– Concrete Curing Compound

DESCRIPTION

ENDURACURE WB 001 is poly acrylic emulsion based curing compound which prevent premature water loss from concrete by formation of a continuous, non-penetrating film on the concrete surface.

WORKING PRINCIPLES

ENDURACURE WB 001 is sprayed onto newly laid concrete surfaces and forms a continuous film on the concrete surface. The coating dries in 3-4 hrs and form a continuous film which work as a barrier to moisture loss from the concrete and thus ensure efficient cement hydration, improved durability and reduced shrinkage.

PRODUCT APPLICATION

ENDURACURE Wb 001 is sprayed on to fresh concrete surfaces to form a thin film barrier against premature water loss, without disturbance of normal setting time. It is particularly useful in large areas of exposed concrete such as:

- ✓ Highways
- ✓ Runways and taxiways
- ✓ Aprons and hardstandings
- ✓ Roof decks
- ✓ Retaining walls
- ✓ Canals

ADVANTAGES

- ✓ Enhance cement hydration and improve curing of concrete
- ✓ Ensures achievement of desired strength
- ✓ Minimises shrinkage
- ✓ Reduces dusting
- ✓ Increases frost resistance
- ✓ Eliminates other costly methods like hessian-watering
- ✓ Gives 75% or greater curing efficiency when tested

PROPERTIES

Appearance : Translucent liquid

pH : 7.0-9.0

Specific Gravity at 25 °C : 0.95 – 1.15

Viscosity : 10 - 20 sec

RECOMMENDED CONSUMPTION / COVERAGE

Recommended consumption is **0.15 – 0.35 kg/m²** depending on wind, humidity and temperature. Actual dosage need to be finalized on the basis of site trials. Coverage outside of the recommended range may be required. In such cases, contact your local PRISM JOHNSON representative for additional information on **ENDURACURE WB 001**.

APPLICATION PROCEDURE

ENDURACURE WB 001 should be stirred well before used to ensure the proper dispersion. **ENDURACURE WB 001** has been designed for spray application. Once the surface water of a fresh concrete gets evaporated then **ENDURACURE WB 001** should be applied to the whole surface using hand operated spray gun. For very large area exposure application may be done by automatic spray equipment. After spraying the applied area must be protected from rain for at least 3-4 hours.

ENDURACURE WB 001 may also be applied on the surface of newly hardened concrete immediately after de-moulding. In such case, wet the concrete surface with water prior to the application of **ENDURACURE WB 001**. Dry surface cause adsorption of **ENDURACURE WB 001** which leads to defective film formation

It is recommended to remove the film of **ENDURACURE WB 001** before the application of any screed, plaster or coating on the concrete surface.

CLEANING OF EQUIPMENT

After using the spray equipment immediately it should be cleaned out thoroughly with fresh water. If the spray nozzle becomes blocked with wax particles these can be easily be removed using white spirit, acetone or similar solvents.

SAFETY PRECAUTION

ENDURACURE WB 001 should not be swallowed or allowed to come into contact with skin and eyes. Avoid inhalation of vapours and ensure adequate ventilation. Suitable protective gloves and goggles should be worn. Some people are sensitive to resins and solvents. Resin Barrier creams provide additional skin protection. If accidental skin contact occur, remove immediately with a resin removing cream followed by washing with soap and water - do not use solvent. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting. For further information on safe handling, storage and disposal, you advised to follow MSDS.

PACKAGING & DELIVERY

Delivered in 200 kg HDPE barrels.

STORAGE

Keep in cool and dry place under shade and away from direct sunlight

SHELF LIFE

6 months from the manufacturing in original unopened condition.

FURTHER INFORMATION

PRISM JOHNSON LIMITED

RMC (INDIA) Division

Construction Chemicals Business

Address: Village-Gadab Khar Devli, Mumbai – Goa Road,
Taluka - Pen, District - Raigad, Maharashtra – 402 107.

Phone: +91-2143-274476 /WB 001/102/103/104

Fax :+91-2143-274100/476

Email: ccb@rmcindia.com

www.rmcindia.com