

# PRISM JOHNSON LIMITED

RMC India Division

Construction Chemicals Business

Technical Datasheet

Construction Chemicals

## Enduracure 401 – Concrete Curing Compound

### DESCRIPTION

ENDURACURE 401 is aluminized synthetic resin based curing compound which prevent premature water loss from concrete by formation of a continuous, non-penetrating film on the concrete surface.

### WORKING PRINCIPLES

After applying ENDURACURE 401 on a fresh concrete surface it form a continuous coating on the surface. The coating dries in 2-3h 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 401 is sprayed on to fresh concrete surfaces to form a thin film barrier against premature water loss. It is particularly useful in large areas of exposed concrete such as:

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

### ADVANTAGES

- ✓ Enhance cement hydration and improve curing of concrete
- ✓ Ensures achievement of desired strength
- ✓ Minimizes shrinkage
- ✓ Reduces dusting
- ✓ Increases frost resistance
- ✓ Eliminates other costly methods like hessian-watering

### PROPERTIES

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Appearance	: Gray colored liquid
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pH	: 4.0-7.0
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Specific Gravity at 25 °C	: 0.90-0.98
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Viscosity	: 10-20 sec
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## **RECOMMENDED CONSUMPTION / COVERAGE**

Recommended consumption is 4 to 5 m<sup>2</sup> / litre 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 401.

## **APPLICATION PROCEDURE**

ENDURACURE 401 should be STIRRED WELL before used to ensure the proper dispersion. ENDURACURE 401 has been designed for spray application. Once the surface water of a fresh concrete gets evaporated then ENDURACURE 401 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 2-3 hours.

ENDURACURE 401 may also be applied on the surface of newly hardened concrete immediately after demolding. In such case, wet the concrete surface with water prior to the application of ENDURACURE 401. Dry surface cause adsorption of ENDURACURE 401 which leads to defective film formation.

Film of ENDURACURE 401 must be removed before the application of any screed, plaster or coating on the concrete surface.

## **CLEANING OF EQUIPMENT**

All application equipment and tools must be cleaned properly immediately after used with petrol / xylene / MTO.

## **SAFETY PRECAUTION**

ENDURACURE 401 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 occurs, remove immediately with a resin removing cream followed by washing with soap and water, use solvent if needed. 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. There is chance of pressure build up in barrel, in such case carefully loosen the lid, release the pressure & retighten it.

## **SHELF LIFE**

6 months from the manufacturing in original unopened condition.

## **FURTHER INFORMATION**

**PRISM JOHNSON LIMITED**

**RMC (INDIA) Division**

**Construction Chemicals Business**

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