

PRISM JOHNSON LIMITED

RMC India Division

Construction Chemicals Business

Technical Datasheet

Construction Chemicals

Enduracon SCA 001 (Self-Curing Admixture)

DESCRIPTION

Enduracon SCA 001 is an innovative liquid chemical admixture that is specifically formulated for internal curing of concrete. It effectively reduces evaporation and allow the concrete to self-cure, it also reduces formation of cracks in newly placed concrete.

RECOMMENDED USES

Enduracon SCA 001 is recommended for use in concrete or mortar where reduced water evaporation is required to allow concrete to cure in a manner similar to concrete cured in water. **Enduracon SCA 001** is added during the mixing process of concrete.

PRODUCT APPLICATION

- ✓ High performance concrete for durability
- ✓ High workability without segregation or bleeding
- ✓ Precast & Pre-stressed concrete
- ✓ High rise / pumped concrete
- ✓ Concrete containing pozzolans such as micro silica, GGBFS, PFA.

FEATURES AND ADVANTAGES

- ✓ Protects against water evaporation from concrete and mortar
- ✓ Reduces drying shrinkage for fresh and hardened properties of concrete
- ✓ Reduces the number of harmful cracks
- ✓ Enhances water tightness in water-retaining structures
- ✓ Increases concrete durability and service life

PROPERTIES

Appearance	: Brown Colored Liquid
pH	: 5.0-7.0
Specific Gravity at 25 °C	: 1.00-1.050
Chloride content	: Nil to 0.1% Max

RECOMMENDED DOSAGE

Enduracon SCA 001 is ready to use liquid, which is dispensed into the concrete together with the mixing water. Typically 0.5 to 2.0% by weight of cement / cementitious is recommended. However optimum dosage of **Enduracon SCA 001** should be determined with trial mixes. Because of variations in concrete materials, job site conditions, and/or applications, dosages outside of the recommended range may be required. In such cases, contact your local **ENDURA** CCB representative for additional information on **Enduracon SCA 001** admixture or on its use in developing concrete mixes with special effects of over dosage. A severe over-dosage of **Enduracon SCA 001** can result in the following:

- ❖ Extension of initial and final set
- ❖ Bleed / segregation of mix

CAUTION

Enduracon SCA 001 should be dispensed through suitable calibrated dosing equipment. It should not be premixed with other chemicals if not recommended. It should be mixed thoroughly before use. It should not mixed in dry aggregate and cement.

SAFETY PRECAUTION

Enduracon SCA 001 does not fall into the hazard classifications of current regulations. However it should not be swallowed or allowed to come in contact with skin or eyes. Suitable protective gloves and goggles should be worn. Splash on skin should be cleaned with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. 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

12 months from the manufacturing in original unopened condition.

FURTHER INFORMATION

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RMC (INDIA) Division

Construction Chemicals Business

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