

PRISM JOHNSON LIMITED

RMC India Division
Construction Chemicals Business

Technical Datasheet

Construction Chemicals

Enduracon SRA 101 – Shrinkage Reducing Admixture

DESCRIPTION

Enduracon SRA 101 is an innovative liquid chemical admixture that is specifically formulated to reduce drying shrinkage. Compared to normal concretes, **It** provides enhanced performance through a significant reduction in shrinkage strain and a reduced number of harmful cracks. It reduce the surface tension of water in the pores of the concrete, mitigating the pull inward of the pore walls as water evaporates and thus reducing shrinkage. It meets AS 1478 Type SN and chloride free.

RECOMMENDED USES

Enduracon SRA 101 is recommended for use in ready-mixed or precast concrete structures requiring shrinkage reduction and long-term durability, including:

- ✓ Slabs, parking structures, bridge decks, pavements, water-retaining structures, etc
- ✓ Wet-mix shotcrete
- ✓ Mortars and grouts

PRODUCT APPLICATION

- ✓ High performance concrete for durability
- ✓ High early and ultimate strength concrete
- ✓ 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

- ✓ 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
- ✓ Reduces joint maintenance costs in concrete Slabs
- ✓ Permits increase in joint spacing

PROPERTIES

Appearance	: Colorless to Amber Colored Liquid
pH	: 6.0-7.0
Specific Gravity at 25 °C	: 1.020-1.080
Chloride content	: Nil to 0.03% Max

RECOMMENDED DOSAGE

Typically 0.2 to 0.6% can be use up to 0.8% by weight of cement / cementitious is recommended. However optimum dosage of **Enduracon SRA 101** 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 PRISM JOHNSON representative for additional information on **Enduracon SRA 101** admixture or on its use in developing concrete mixes with special effects of over dosage. A severe over-dosage of **Enduracon SRA 101** can result in the following:

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

CAUTION

Enduracon SRA 101 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.

SAFETY PRECAUTION

Enduracon SRA 101 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 235 kg HDPE barrels & 10 MT bulk tanker

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

PRISM JOHNSON LIMITED

RMC (INDIA) Division

Construction Chemicals Business

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