

PRISM JOHNSON LIMITED

RMC India Division

Construction Chemicals Business

Technical Datasheet

Construction Chemicals

ENDURACON RDA 100 – Concrete Admixture

DESCRIPTION

ENDURACON RDA 100 is a liquid specialized designed admixture based polycarboxylate polymers technologies with long lateral chain . **ENDURACON RDA 100** is designed as a high range water reducer or superplasticiser. It is developed for re-dosage purpose, if the concrete loss its workability during pouring at site.

WORKING PRINCIPLES

It increases the workability of concrete mixes by its powerful deflocculating and dispersing effect on the cement particles, which in turn helps to produce high workable concrete or enables in significant reduction in free water content.

PRODUCT APPLICATION

- ✓ Re-dosaging admixture for any grade concrete
- ✓ Provide instant workability and good rheology of concrete
- ✓ High rise / pumped concrete
- ✓ Concrete containing pozzolans such as micro silica, GGBFS, PFA.

ADVANTAGES

- ✓ Provide instant workability in concrete, reduce concrete rejection
- ✓ No adverse effect in setting time
- ✓ No impact in strength generation
- ✓ Elimination of vibration and reduced labour cost in placing
- ✓ Significant increase in early & ultimate strengths
- ✓ Achieve high strength
- ✓ No setting issues at high dosages

PROPERTIES

Appearance	: Colourless to Brown Coloured Liquid
Dry material content (%)	: 27.0 – 33.0
Ash content (%)	: 2.30 – 2.80
pH	: Min. 6.0
Specific Gravity at 25 °C	: 1.100 - 1.150
Chloride content	: Nil to 0.2% Max

RECOMMENDED DOSAGE

Typically 1.0 to 1.75% by weight of cement / cementitious is recommended. However optimum dosage of **ENDURACON RDA 100** 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 – RMC INDIA representative for additional information on **ENDURACON RDA 100** admixture or on its use in developing concrete mixes with special effects of over dosage. A severe over-dosage of **ENDURACON RDA 100** can result in the following:

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

CAUTION

ENDURACON RDA 100 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 RDA 100 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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