

**PRISM JOHNSON LIMITED**  
**RMC India Division**  
**Construction Chemicals Business**

Technical Datasheet

Construction Chemicals

## **Enduracon VMA 100 – Viscosity Modifying Agent**

### **DESCRIPTION**

**ENDURACON VMA 100 (VISOCITY MODIFYING AGENT)** is a liquid viscosity modifying admixture which gives concrete extra protection by creating ultra-stable flow. It is useful in the types of concrete known for their difficulty to flow control and maintain the cohesiveness.

### **WORKING PRINCIPLES**

Viscosity-modifying admixtures (VMAs) are essential to control the stability and cohesion of modern concrete. They enhance the stability of the mix by increasing one or several rheological parameters at the same time.

### **PRODUCT APPLICATION**

- ✓ Concrete exposed to freeze/thaw attack
- ✓ To reduce bleeding due to poor aggregate grading

### **ADVANTAGES**

- ✓ Increased resistance to damage from freeze/thaw cycles
- ✓ Reduced permeability- increase water tightness
- ✓ Reduced segregation and bleeding
- ✓ Improved plasticity and workability
- ✓ Enhance surface enhance

### **PROPERTIES**

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Appearance : Pale yellow Liquid

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pH : 6-7

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Specific Gravity at 25 °C : 1.000- 1.010

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Chloride content : Nil to 0.03% Max

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## **RECOMMENDED DOSAGE**

Typically 0.1 to 1.0 litre per cubic meter is recommended. However optimum dosage of **ENDURACON VMA 100 (VISOCITY MODIFYING AGENT)** 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 H&R JOHNSON representative for additional information on **ENDURACON VMA 100 (VISOCITY MODIFYING AGENT)** admixture or on its use in developing concrete mixes with special effects of over dosage.

## **CAUTION**

**ENDURACON VMA 100 (VISOCITY MODIFYING AGENT)** 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 VMA 100 (VISOCITY MODIFYING AGENT)** 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 are advised to follow MSDS.

## **PACKAGING & DELIVERY**

Delivered in 30, 50 and 200 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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