



CLASSIC CRETE RMW

Integral Waterproofing Admixture for
Concrete & Mortar

PRODUCT:

Classic Crete RMW is an integral waterproofing admixture conforming to IS-2645.

DESCRIPTION

Classic Crete RMW is based on specially processed lignosulphonates and additives and supplied as a brown liquid readily miscible with water.

Concrete however well made is to some extent porous and water must be prevented from penetrating through capillary pores. The presence of water in hardened concrete can cause corrosion of reinforcement which is made severe by freezing and thawing of concrete containing absorbed moisture. Further deterioration can occur if the water penetrating the concrete contains dissolved aggressive salts.

Classic Crete RMW provides protection against deterioration due to the pores, left by the slow evaporation of the excess water not taken up by hydration of cement.

Classic Crete RMW entrains a controlled amount of air which does not increase with the dosage. The risk of capillary suction is reduced by the induced air which blocks the pores. The plasticizing action of **Classic Crete RMW** aids in producing denser concrete/mortar with greatly reduced permeability.

PURPOSE

To produce dense concrete with lower water absorption and reduced permeability.

ADVANTAGES

- Watertight structure – the permeability is decreased throughout the full depth of concrete.
- Greater protection of reinforcing steel, strength of the concrete is maintained.
- Chloride free admixture.
- Improved plasticity and cohesion aids easier placing, better compaction and finishing.
- For all structural, precast concrete and mortar
- Economical for mass concreting.

DOSAGE

0.15 to 0.25 L of **Classic Crete RMW** per 50 kg cement.

PACKING

1, 5, 20, 50, 100 Liter containers.

TYPICAL PROPERTIES

Physical state	Brown liquid
Specific gravity	1.170 ± 0.015 at 27°C
Chloride content	Nil
Air entrainment	Upto2% additional air

Text Results:

Mix proportions 1:2:4
Dosage 0.25 L / 50 kg cement

PERMEABILITY

The permeability measurements as per BS 1881: Pat 5: 1970 has been carried out on samples of mortar using ***Classic Crete RMW*** to determine the waterproofing efficiency of ***Classic Crete RMW***.

USES

For effective and permanent waterproofing of water retaining structures, mass and reinforced concrete and precast concrete.

INSTRUCTIONS FOR USE

Classic Crete RMW should be added to the mix along with the gauging water to ensure uniform distribution. The water content can be reduced by 10-15% due to the plasticizing action of ***Classic Crete RMW***.

The dosage rate is 0.15–0.25 L per 50 kg cement.

For waterproof structures, we recommend a minimum cement content of 300 kg/m³.

STORAGE LIFE

Minimum one year if stored below 50°C in original sealed containers. If allowed to stand for a long time, contents should be stirred before use.

HANDLING PRECAUTION

Classic Crete RMW is an industrial chemical and ingestion should be avoided. Any splashes on skin must be washed off with water. If contact with eyes occurs, wash with clean water and seek medical advice.



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