



CLASSIC CRETETM RMW EXTRA

Integral Waterproofing Admixture for Concrete & Mortar

Product:

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

Description:

Classic Crete RMW XTRA is based on specially processed Polymers & additives and it is 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 XTRA** 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 XTRA 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 XTRA** aids in producing denser concrete/mortar with greatly reduced permeability.

Purpose & Uses:

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

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

Advantages:

1. Water tight Structure – The permeability is decreased throughout the full depth of concrete.
2. Greater protection of reinforcing steel, strength of the concrete is maintained.

3. Chloride Free admixture

4. For all structural, precast concrete and mortar.

5. Economical for mass concreting.

6. Improved plasticity and cohesion aids easier placing, better compaction and finishing.

Dosage:

The Optimum dosage is 200ml for 50kg of cement. Site trials shall be carried out to validate the optimum dosage.

Packing:

Available in 5, 20, 50, 100 & 200 Litre Containers.

Typical Properties:

Chloride content	As per IS:2645-2003.
Compatibility	Can be used with all types of cements, including pozzolanic but not High Alumina Cement.
Permeability to water	<10% as compared to 50% max. allowable under IS:2645 Compared to control sample.
Setting Time	No significant effect on setting time of concrete or mortar.
Compressive Strength	Maintains compressive strength equal to control concrete or mortar and can even improve on strength Property if full advantage of water reduction potentialis utilized.
Workability	Improves workability at reduced water cement ratio

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Permeability:

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

Instruction for use :

Classic Crete RMW XTRA Should be added to the mix along with the gauging water to ensure uniform distribution. The water content can be reduced by 10 to 15% due to the plasticizing action of it. The dosage rate is 200 ml per 50 Kg cement. For waterproof structures, we recommend cement content of 300 Kg/m³.

Handling Precautions:

Classic Crete RMW is slightly toxic. Do not ingest. It is mildly acidic. Prolonged contact with the skin should be avoided, and any splashes to the eyes should be washed with clean water immediately and medical advice sought.

Storage Life:

Minimum 24 months if stored below 50°C in original sealed containers. If allowed to stand for a long time, contents should be stirred before use.

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