

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 & 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** 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 & Uses:

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

Dosage:

As a Normal Dosage 0.10 to 0.16 litre of **Classic Crete RMW** to 50 Kg of cement is recommended.

Packing:

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

Typical Properties:

Appearance:	Brown Liquid
Sp. Gravity:	1.170 +/- 0.015 at 27°C
Chloride Content:	NIL
Air Entrainment:	Up to 2% additional air

Test Results:

Mix Proportions:	1:2:4
Dosage:	0.25L / 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**.

Advantages:

1. Watertight 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.

Uses:

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

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.

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Instruction 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 to 15% due to the plasticizing action of it. The dosage rate is 0.15-0.25 L 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.

Variety of Products:

Following are other similar products from Primadonn Buildtech Pvt. Ltd.

- Classic Airent
- Classic Airent-3
- Classic Crete-AXL (CB)
- Classic Crete-AXL (CF)
- Classic Crete-RMW (Powder)
- Classic Crete RPL
- Classic Mortar Plasticizer
- Classic Plasto-Master
- Classic Poly-Propylene Fibres
- Classic Superflo-PC
- Classic Superflo-N
- Classic Superflo-SP
- Classic Superflo Special



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