

ERO Proof

Integral Liquid Waterproofer For Concrete

Product Description

ERO Proof is a high performance permeability reduction admixture for concrete . It combines profiling materials with powerful water reducing agents and water proofing chemicals. The pores are filled with insoluble crystals and the cement particles are more thoroughly dispersed and hydrated to improve impermeability against high water pressure.

Advantages

ERO Proof improves concrete resistance to water penetration under conditions of hydrostatic pressure.

- Improve workability and plasticity without increased water content
- Cement renders are more easily applied.
- Improves concrete strength.
- Non-toxic and no harmful effects.
- Will not corrode steel reinforcement.
- No premixing of the material.
- Used with all types of Portland cement.
- Compatible with other admixtures.
- Improved water tightness

Uses

ERO Proof is recommended for use in water - retaining structure such as :

- Mass concrete.
- Dams, reservoirs, etc.
- Below ground waterproofing e.g. basements and car parks.
- Swimming pools and water tanks.
- Above ground waterproofing e.g. floor topping and cement renders.
- Canals and sewage works..

Packaging

20 liter jerrys, 210 liter drums, 1000 liters Bulk Tanks.

HEADQUARTERS : 343 Gamal Abd Elnaser Street, Next to Alasafra Gas.

Factory : Al-Ghafoor Al-Rahim Mosque Street, behind Abu Sitta, Merghem Industrial Area.

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www.erma-egy.com

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Product Properties

Nitrate content	Nil
Color	Dark brown
Specific Gravity according to ASTM D 2111 (g/cm ³) @25° C	1.05 : 1.10
Chloride content	Nil to BS . 5075
Freezing point	-10° C

Dosage

Dosage is 0.5 liter/100kg of cement @ 25° C, including any pozzolanic materials and cement replacements.

Overdosing

An overdose of **ERO Proof** will result in an increase in retardation as compared to that normally at the intended dosage .

The effects of overdosing will be further increased if sulphate resisting cement or cement replacement materials are used.

however, no excessive amounts of air will be entrained..

Dispensing :

The correct quantity of admixture should be measured by means of a recommended dispenser.

The admixture should then be added to the concrete with the mixing water to obtain the best results..

Direction for Use:

ERO Proof should be added to the gauged water, but never to the dry aggregate or cement. Reduction of water is higher if the admixture is added to the concrete after 60-75% of the mixing water has been added.

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Specification Compliance

according to ASTM C-494 Type A.

Job site Mixing:

Add the **ERO Proof** Concrete admixture to the concrete truck and let drum rotate for 7 minutes before discharge.

Compatibility:

Other admixtures may be used in the same concrete batch with **ERO Proof** provided that such admixtures are added separately and the combination has no deleterious effect on the concrete.

Clean Up

Spillage of **ERO Proof** can be removed with water.

Shelf Life

ERO Proof has a minimum shelf life of 12 months under shaded area. Must be protected from direct sunlight and frost.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product

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