

EAMICRETE D

Water Reducing & Extended Set Controlling Retarder

Product Description

EAMICRETE D is a liquid plasticizer and water reducing extended set controlling retarder admixture. When EAMICRETE D is mixed with concrete, it is absorbed on to the surface of cement particles introducing a powerful deflocculating action which helps in reduction of free water content at steady workability. EAMICRETE D is based on a selected blend of both synthetic and natural derivative raw materials; it is manufactured under controlled conditions to produce a consistent quality product.

Typical Applications

EAMICRETE D is formulated as a retarder plasticizer for producing high quality concrete in hot climates for:

- Ready mixed concrete.
- Concrete where high quality dense & waterproofing concrete is required.
- All concreting works such as slabs, foundations, bridges, beams ... etc. where extending.
- Workability & longer setting times are required.

Product Features

- Improves workability and pumping properties.
- Improves physical & mechanical properties.
- Improves surface finishes.
- Increases setting times at hot climates.

- Reduces shrinkage, bleeding segregation and creep.
- Produces high dense and waterproofing concrete.
- Water-based: non-flammable and non-toxic.
- Chloride & nitrate free and does not attack the reinforcement or the working equipment.
- Formulated for the Middle East Climates.

Standards

EAMICRETE D as a Retarding & Water-reducing Concrete Admixture complies with the requirements of:

ASTM C 494 Type A, B & D.
EN 934 Part 2 and ES 1899 Part 1.

Dosage

The dosage will depend on the cement type, mix design, quality of used materials and ambient temperature. Site trials should be carried out to determine the suitable dosage. Approximately the dosage will be 0.30 - 1.00 % by the weight of used cement.

Dispensing

EAMICRETE D should be added to the mixing water prior to addition of the dry mix or directly to the mixed concrete. It shall not be added to the dry mix.

Technical Properties

Appearance
Specific Gravity
Air Entrainment
Chloride Content
Compatibility

Dark brown liquid.
 1.160 ± 0.005 at 23°C.
Less than 2 % additional air is entrained.
Nil.
EAMICRETE D can be used with all types of Portland cement. It is also compatible with other EAMIC admixtures provided that the two admixtures are added separately to the mix. Please consult our Technical Department when mixing.
Increases waterproofing properties and improves resistance to water-borne salts.
Initial and final setting times will be delayed.
10 - 14 % reduction can be achieved.

Permeability
Setting Time
Water-reduction

Overdosing

Overdose will slightly increase the workability and setting times.

Packaging

EAMICRETE D is supplied in 210 liters drums or 1000 liters containers.

Storage

EAMICRETE D should be stored in shaded areas.

Cleaning

Clean any spillages with normal water.

Shelf Life

One year if stored properly in its original well closed container.

Health and Safety

- EAMICRETE D is non-flammable and non-toxic.
- Any splashes on skin should be washed with water.
- Seek medical assistance in case of contact with eyes, after washing it with running water.

Warranty

We warrant our products to be of good quality & manufactured to rigid standards. This Warranty is in lieu of any & all other warranties expressed or implied. This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose. EAMIC TRETOL services are free & the company does not accept liability for any loss arising from it. Max liability is limited to substituting the same quality of material.

EAMIC TRETOL

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