

EAMICRETE G 7000

High Range, Retarding, Water Reducing & Workability Retention Concrete Admixture

Product Description

EAMICRETE G 7000 is a retarding, high range water reducing / super plasticizing chemical admixture for concrete. It is designed on special organic polymers that provide high workability to concrete containing pozzolanic materials, while possessing excellent slump retention properties. It can be also used in normal concrete mix designs when high workability in hot climates is required.

Typical Applications

EAMICRETE G 7000 is formulated as a retarding & super plasticizing chemical concrete admixture for producing high quality concrete in:

- Ready mixed concrete.
- Mass concrete.
- All concreting works such as bridges, beams ... etc.
- When the pozzolanic materials such as BFS, FA and silica fume are used in concrete.

Product Features

- Extends workability (workability retention) and improving pumping properties.
- Improves all physical & mechanical properties.
- Retarding the setting times & enabling for long transportation of concrete in hot climate.

- Improves cohesion, minimizing segregation and improving surface finish.
- Increases water tightness.
- Eliminates shrinkage, bleeding, segregation and creep.
- Produces high dense and water- proofing concrete.
- Water-based: non-flammable and non-toxic.
- Chloride & nitrate free.
- Formulated for the Middle East Climates.

Standards

EAMICRETE G 7000 as Retarding and High Range Water-reducing Concrete Admixture complies with all requirements of:

- ASTM C 494, Type G
- EN 934 Part 2: Tables 1, 11.1 and 11.2
- ES 1899 Part 1: Tables 1, 11.1 and 11.2

Dosage

The dosage will depend upon the cement type, mix design, quality of used materials and ambient temperature. Site trials should be carried out to determine the suitable dosage. Approximate range will be 0.60 – 2.50 % by the weight of used cement.

Technical Properties

Appearance

Dark brown liquid.

Specific Gravity

1.195 ± 0.005 at 23°C.

Air Entrainment

Less than 0.5 %.

Chloride Content

Nil.

Compatibility

EAMICRETE G 7000 is compatible with all types of Portland cements including SRC. Also, it is compatible with other EAMIC admixtures provided that the two admixtures are added separately to the mix Please consult our technical department when mixing.

Permeability

Reduces porosity, and hence increases waterproofing properties and resistance to water borne salts.

Setting Times

Initial and final setting times will be retarded. This will be influenced by dosage, mix design, cement type & quantity.

Mechanical Properties**Water reduction**

EAMICRETE G 7000 improves all the mechanical properties at all ages.

Up to 20 % reduction can be achieved. This will be influenced by mix design, cement type, quality of used materials and ambient temperature.

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Dispensing

EAMICRETE G 7000 should be added to the mixing water prior to addition to the dry mix or directly to the fresh concrete. It should not be added to the dry mix

Overdosing

Overdose will increase setting times & workability of concrete.

Packaging

EAMICRETE G 7000 is supplied in 210 Liters drums or 1000 Liters containers.

Storage

EAMICRETE G 7000 should be stored in normal conditions away from any extreme temperatures, conditions (between 5°C - 35°C).

Cleaning

Clean any spillages with normal water.

Shelf Life

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

Health and Safety

- EAMICRETE G 7000 is non-toxic, non-flammable and non-hazardous.
- 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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