

EAMICRETE G 5000

High Range Retarding, Water Reducing Superplasticizer with High Workability Retention

Product Description

EAMICRETE G 5000 is a high range water reducer, superplasticizer retarder and work-ability retention aid, based on selected organic polymers.

Typical Applications

- To produce high workability concrete.
- To produce high quality and watertight concrete.
- To retain workability during hot weather and in delays of transportation.

Product Features

- Concrete can be placed and compacted quicker and easier.
- Aids pumping by reducing slump loss during hot weather.
- Produces high dense and waterproofing concrete.
- Improves surface finish.
- Non-toxic and non-flammable.

Standards

EAMICRETE G 5000 complies with ASTM C 494 Type G and BS 5075 Part 3.

Curing

We recommend the use of EAMIC curing range.

Dosage

0.9 to 2.0 liters per 100 kg. cement depending upon the cement type, mix design, quality of used materials and ambient temperature. Site trials should be carried out to determine the suitable dosage. When using Sulphate Resistance Cement, dosage should determine by site trials for each new batch of cement to avoid excessive retardation.

Over dosage

Any serious overdose will increase the workability, air entrainment and setting times. In this case, the concrete should be protected from the evaporation of the mixing water.

Technical Properties

Appearance	Dark brown liquid free from lumps.
Specific Gravity	1.180 ± 0.005 at 20 °C.
Air Entrainment	1.2 % additional air.
Chloride Content	Nil.
Setting Time	Initial and final setting time will be delayed at normal dosage exact setting time should be determined by site trials.
Permeability	Improves waterproofing properties of concrete and increases its density.
Compatibility	EAMICRETE G 5000 can be used with all types of Portland cement including SRC. It is compatible with other EAMIC admixtures provided that the two admixtures are added separately to the mix and not premixed before addition. Please consult our technical department when prior to mixing.
Water Reduction	12 - 20 % can be reached, depending on material used & mix design.
Compressive Strength	The addition of EAMICRETE G 5000 improves the compressive strength of concrete at the same cement content and slump.
Workability	Due to its high solid content, it has the ability to keep the concrete work able to long time with high retention that depend on the ambient temperature, cement type ,mix design, water added and the amount of dosage.
Durability	The increase in density due to the adding of EAMICRETE G 5000 improves resistance of concrete to aggressive agents.

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Packaging

EAMICRETE G 5000 is supplied in 210 liters drums. For bulk deliveries, 1000 liters containers are available.

Storage

EAMICRETE G 5000 should be stored in shaded areas.

Cleaning

Spillage can be removed with water.

Shelf Life

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

Health and Safety

- EAMICRETE G 5000 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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