

EAMICRETE G 3000

Retarding, High Range Water Reduction Concrete Admixture with Workability Retention

Product Description

EAMICRETE G 3000 is a liquid super plasticizer high water reducing & retarding admixture. EAMICRETE G 3000 is a versatile product, designed to cover a wide range of applications in concrete at normal & high ambient temperatures. It can be used to reduce water and superplasticizer concrete providing excellent retention of workability with limited retardation. EAMICRETE G 3000 is based on selected organic polymers and naturally derived products; it is manufactured under controlled conditions to produce a consistent quality product.

Typical Applications

- To produce high workability concrete.
- To produce high quality and water tight 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 in hot weather.
- Produces high density and waterproofing concrete.
- Improves surface finish.
- Non-toxic and non-flammable.

Standards

EAMICRETE G 3000 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

Curing

We recommend the use of EAMIC curing range.

Dosage

Range from 0.50 to 2.00 liters per 100 kg. cement. EAMICRETE G 3000 should be added to the concrete mix during the mixing cycle at the same time with water.

Over dosage

Overdose will increase setting times of concrete.

Packaging

EAMICRETE G 3000 is supplied in 210 liters drums. For bulk deliveries, 1000 liters containers are available.

Technical Properties

Appearance	Dark brown liquid.
Specific Gravity	1.175 ± 0.005 at 20°C.
Air Entrainment	1 - 2 %.
Chloride Content	Nil.
Setting Time	Initial and final setting time will be delayed.
Permeability	Improves waterproofing properties of concrete and increases its density.
Compatibility	EAMICRETE G 3000 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 3000 improves the compressive strength of concrete at the same cement content and slump.
Workability	EAMICRETE G 3000 has a significant effect on increasing the concrete initial slump & extending its workability.
Durability	Reduce porosity, hence increase waterproofing properties & resistance to waterborne salts.

EAMICRETE G 3000

Storage

EAMICRETE G 3000 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 3000 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

Leaders in Construction Chemical Technology

Tretol is a member of the  International Group of Companies

Edition 01.2019

Cairo : 2 Hadaek El Obour, Salah Salem St. Nasr City, Cairo Egypt Tel: (202) 22636220/24011024/22619414
Alex : 37 Ismail Serri Street Smouha- Alexandria Tel: (203) 4255066

Fax: (202) 22639002
Fax: (203) 4255066

www.eamic.co