

## EAMICRETE 557

### Superplasticizing Concrete Admixture

#### Product Description

EAMICRETE 557 is high range water reducing, superplasticizing concrete admixture. It is formulated to produce high quality concrete properties with an ultimate strength and mechanical properties. It is based on blended polymers that well disperse cement particles which tend to agglomerate, enabling the mixing water to perform more efficiently and contains materials that produce high early strength concrete after final setting.

#### Typical Applications

EAMICRETE 557 is formulated to be used as high range water reducing concrete admixtures with workability retention to:

- Provides very good water reduction with very good workability & workability retention.
- Provides an excellent early development as well as ultimate strengths.
- Improves the workability without addition of water.
- Improves the durability and reducing the permeability.

EAMICRETE 557 is suitable to be used in:

- Ready mix concrete.
- Bridges, ceilings, beams, floorings ... etc.

#### Product Features

- Improves workability with water-reduction.
- Enables reduction of cement content.
- Enable use of mineral admixture: such as: silica fumes, PFA, Slag ... etc.
- Eliminates the risk of segregation, bleeding and creep.
- Increases mix cohesion.
- Improves durability and reduces permeability.
- Improves surface finishes.
- Water-based: non-flammable, non-toxic and does not contain any harmful ingredients.
- Chloride and Nitrate free.
- Improved strength development after setting.

#### Standards

EAMICRETE 557 is formulated to comply with all requirements of: the following standards

- ASTM C 494 Type G.
- EN 934 Part 2: Tables 1, 3.1 and 3.2
- ES 1899 Part 1: Tables 1, 3.1 and 3.2

### Technical Properties

<b>Appearance</b>	Dark brown liquid.
<b>Specific Gravity</b>	1.171 ± 0.05 at 25 °C.
<b>Air Content</b>	< 0.5 % additional air is entrained
<b>Chloride Content</b>	Nil.
<b>Setting Times</b>	Setting times will not be affected at the recommended dosage.
<b>Permeability</b>	Permeability will be reduced and durability and waterproofing properties will be greatly improved.
<b>Water reduction</b>	Up to 29 % of mixing water can be reduced.
<b>Cohesion</b>	Cohesion of the concrete matrix will be increased
<b>Compatibility</b>	EAMICRETE 557 is compatible with all types of Portland cements including Sulphate Resisting Cement and blended cements. It is also compatible with the admixtures of EAMIC, each shall be added separately.
<b>Mechanical Properties</b>	All the physical and the mechanical properties will be improved.

# EAMICRETE 557

---

## Guide for Application

### Dosage

The dosage will be influenced with the mix design, cement content & type, quality of used materials, ambient temperatures and the specific requirements. Site trials should be carried out to determine the accurate dosage.

Approximately, the dosage is 0.8 – 3.0 % by the weight of cement.

### Dispensing

The accurate quantity should be measured by means of a suitable dispenser.

EAMICRETE 557 should be added to the concrete with the mixing water to achieve the best results.

### Curing

The concrete after placing should be cured properly by suitable means. EAMICURE Range can be used for this purpose.

### Cleaning

Clean the tools & equipment or spillages with normal 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.

## Packaging

EAMICRETE 557 is supplied in 20 liters, 210 liters, and 1000 liters upon request.

## Storage

EAMICRETE 557 should be stored in normal conditions away from any extreme temperatures and away from direct sunlight.

## Shelf Life

18 months if stored properly in its original well stored container.

## Health and Safety

- EAMICRETE 557 is water based, non-flammable, and does not contain any harmful ingredients.
- Any contamination of skin can be removed with normal water.
- For disposal follow the local regulations.

# **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](http://www.eamic.co)