

EAMICRETE PR 400

Retarding & Water Reducing Concrete Admixture with Workability Retention

Product Description

EAMICRETE PR 400 is a high performance liquid concrete plasticizer, providing effective water reduction while producing excellent workability retention properties, approaching the effect of superplasticizer admixture.

EAMICRETE PR 400 is based on a selected blend of synthetic polymer, it is manufactured under controlled conditions to produce a consistent quality product.

Typical Applications

EAMICRETE PR 400 is formulated as a retarding and powerful plasticizer for producing high quality concrete in hot climates for:

- Longer transportation of ready mix concrete.
- Pre-stressed concrete where high quality dense & waterproofing concrete is required.
- All concreting works such as slabs, foundations, bridges, beams ... etc. where extending workability is required.
- Large volume of concrete used in slip forming to prevent cold joints formation.
- Waterproofing concrete admixture.
- Slip form concreting.

Product Features

- Improves workability and pumping properties.
- Improves all 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.
- Formulated for the Middle East Climates.

Standards

EAMICRETE PR 400 as a retarding & Water-reducing Concrete admixture complies with all requirements of ASTM C 494 Type A, B & D and BS 5075 Part 1.

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. Approximately the dosage will be 0.30 -1.00 % by the weight of used cement.

Technical Properties

Appearance	Dark brown liquid.
Specific Gravity	1.170 ± 0.005 at 23°C.
Air Entertainment	Less than 2 % additional air is entrained.
Chloride Content	Nil.
Compatibility	EAMICRETE PR 400 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. Delayed.
Permeability	Reduces porosity, and hence increases waterproofing properties and resistance to water-borne salts.
Water-Reduction	15 - 20 % reduction can be achieved.
Setting Time	Initial and final setting times will be delayed. This will be influenced by mix design, cement type and ambient temperatures.

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Dispensing

EAMICRETE PR 400 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 slightly increase setting time, workability as air content.

Packaging

EAMICRETE PR 400 is supplied in 210 Liters drums or 1000 Liters containers.

Storage

EAMICRETE PR 400 should be stored in normal conditions away from any extreme temperatures, in a temperature between 5 – 35°C.

Shelf Life

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

Cleaning

Clean any spillages with normal water.

Health and Safety

- EAMICRETE PR 400 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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