

WATER REDUCING ADMIXTURE FOR SEMI DRY CONCRETE PRODUCT

PRODUCT

EPSILONE CMU 100 T is a multi-component admixture specifically formulated for reducing efflorescence and increasing water tightness in concrete block, pavers' products and architectural concrete products. EPSILONE CMU 100 T does not contain calcium chloride. EPSILONE CMU 100 T is also a plasticizing admixture that provides improved placement and lubricity to semi-dry concrete products such as concrete block or brick, dry cast pipe or landscaping paving stones. EPSILONE CMU 100 T disperses the mix to provide added workability while lowering the overall water to cement ratio. This allows easier hydration of the cement particles and results in improved green strengths and higher ultimate compressive strengths.

EPSILONE CMU 100 T works on very low water/cement mixtures.

PROPERTIES

- Lowers moisture absorption
- Minimizes efflorescence
- Improves appearance and texture
- Increases concrete cohesion
- Produces high early strengths and can significantly increase mould utilization in precast works
- Can be used to gain economies due to possible cement reduction

SCOPE OF USE

EPSILONE CMU 100 T is recommended for all cement types in the following areas:

- Concrete block
- Architectural concrete panels
- Roof tiles
- Pavers
- Precast concrete
- Colored concrete
- Concrete with low W/C
- Concrete with GGBS, fly ash and silica fume
- Hollow core precast concrete elements
- Reduction in cement content

CHARACTERISTICS

Appearance	Colorless
Specific gravity at 20°C	1.015 ± 0.02
Chloride content	Nil

INSTRUCTIONS FOR USE

EPSILONE CMU 100 T is totally miscible in water.

EPSILONE CMU 100 T is normally dosed as supplied at a rate of 3000 to 5000 ml per 100 kg of cement. Other dosages may be required depending on specific conditions. For best results, add EPSILONE CMU 100 T after pre-wetting the mix aggregates and cement with part of the required hydration water. Avoid addition of EPSILONE CMU 100 T to dry cement mix if possible. Mix components for at least two minutes to provide optimum lubricity to the mix.

For high early strength of concrete, use a lower w/c and a higher EPSILONE CMU 100 T dosage.

DOSAGE

Trials should be conducted to determine the optimum dosage of EPSILONE CMU 100 T for a particular mix. A dosage of 3000 to 5000 ml per 100 kg of cement is recommended. This may be changed to higher dosage in specific conditions.

EFFECT OF OVER DOSING

EPSILONE CMU 100 T can be used at high dosages without retardation. Severe over dose of EPSILONE CMU 100 T will result in the following:

- Slight delay of the initial and final setting of the concrete mixture
- Slight increase in air entrainment
- Increased workability

COMPATIBILITY

EPSILONE CMU 100 T can be used with all types of portland and sulfate-resisting cements. Admix CMU 100 should be dispensed directly into the mixer and should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing EPSILONE CMU 100 T they must be dispensed separately. Consult Company's Technical Dept. for advice.

DISPENSING

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment.

PACKAGING

EPSILONE CMU 100 T is supplied in:

Bulk, barrels

Storage tanks can be provided for bulk use.



STORAGE

Up to 2 years when stored in accordance with manufacture's instructions.

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation.

HEALTH & SAFETY

In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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