



TECHNICAL DATA SHEET

KEM AEA - 10

Air Entraining Admixture for Concrete

DESCRIPTION:

Kem AEA 10 is a high performance air entraining admixture for concrete applications and is manufactured under rigid quality control, which assures uniform and precise performance. It is compatible with Chembond range of plasticizers, super plasticizers, accelerators, retarders and most other high performing concrete admixtures.

PRODUCT SPECIFICATION / COMPLIANCES:

Kem AEA 10 meets/exceeds the requirements as per ASTM – C260-8, BS-5075 Park-2.

Type	: Kem AEA 10 is a solution of Vinsol Resin
Colour	: Dark Brown
Specific gravity	: 1.05±0.02
pH	: 12.0± 1.0
Chloride content	: <0.05%
Shelf life	: 12 months in the original un-opened packing.
Storage	: Keep away from direct sunlight and extreme heat.

PRIMARY APPLICATIONS:

- Mass concrete construction.
- Paving concrete or any other low slump concrete.
- Concrete containing large amount of fine materials.
- Concrete containing high carbon content fly ash.
- Concrete using high alkali cement.

PRODUCT FEATURES:

- Provides a stable air – voids system with proper bubble size and spacing. This air voids system protects concrete against damage caused by repeated freeze/thaw cycles.
- Concrete is made more resistant to de-icing salts, sulphate attack and corrosive water.
- Improves workability of harsh mix and minimizes bleeding and segregation with improved stability of concrete.



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DOSAGE:

0.02 % - 0.15% by weight of cement and Pozzolana content for the desired air content. This dosage is depending on the type of cement, additional fly ash, temperature and mix design. Concrete mix must be tested regularly to confirm that the proper air content is achieved. Optimum effect is obtained when KEM AEA 10 is added after the mixing water directly into the mixer. With dispensing system requires a larger volume, the product can be diluted with water upto 10 times without any problem. In general, aerated concrete losses 5% of the total compressive strength for every percent of entrained air. It is therefore advised to combine KEM AEA 10 with plasticizer or super plasticizers in order to reduce water content and maintain the required strength. The product itself may reach a water reduction upto 5%.

TECHNICAL SERVICE:

Chembond has established itself in various fields on the basis of its dependable technical service. For this purpose, we maintain a well equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

SAFETY PRECAUTIONS:

KEM AEA 10 is non toxic and non-flammable. However, any splashes on the human body must be washed with plenty of water.

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