



TECHNICAL DATA SHEET

KEM PLAST 100

Water Reducing Plasticizer for Concrete with Built-in-Biocide

DESCRIPTION:

Kem Plast 100 is a water reducing plasticizer with a wide range of varied applications. It deflocculates and disperses the cement particles in the concrete mix, to make the concrete more plastic and cohesive. The Biocide in it prevents and restricts the formation of any type of mold growth on the concrete surface.

PRODUCT SPECIFICATION / COMPLIANCES:

Kem Plast 100 meets/exceeds the requirements as per IS 9103 and ASTM – C494 Type-A.

Type	:	
Colour	:	Brown
Specific gravity	:	1.18±0.02
pH	:	7 – 8
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 concreting in Hydroelectric Power Projects
- Pre-stressed concrete
- Pre-cast concrete
- Light weight concrete
- Expansive concrete

PRODUCT FEATURES:

- To increase/extend workability for easier handling and finishing.
- Produces workable concrete with low water content, with water reducing capacity upto 15%, with reduced permeability, increased compressive strength and durability
- Improves cohesive properties of concrete to reduce segregation and bleeding.
- Useful for making concrete floors, walls or in joints, where growth of bacteria and fungus has to be restricted.
- Useful in cement saving and economic



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DOSAGE:

0.3% - 1.0% by weight of cement, depending on the total water content and workability required. The optimum dosage can be determined by conducting lab trials.

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 PLAST 100 is non toxic and non-flammable. However, any splashes on the human body must be washed with plenty of water.

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