



TECHNICAL DATA SHEET

KEM PLAST 200

Water Reducing and Retarding, Low Dosage Plasticizer for Concrete

DESCRIPTION:

Kem Plast 200 is a water reducing and retarding type of concrete admixture with powerful plasticizing effect. At low dosage ranges (0.3% – 0.6%) it deflocculates the cement particles in the concrete mix, with controlled retardation to produce high workable concrete.

PRODUCT SPECIFICATION / COMPLIANCES:

Kem Plast 200 meets/exceeds the requirements as per IS 9103 and ASTM – C 494 Type-A, B & D.

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
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PRODUCT FEATURES:

- Hot weather concreting with controlled delay in initial set.
- Water reduction upto 15%, leads to strength increase of above 10% over the control concrete without any further addition of cement, thus cost effective.
- Considerably extends vibration limit of concrete mix, thus reducing the incidence of honey combing and cold joints.
- To improve cohesion, workability and compaction in concrete using even poorly graded/shaped fine aggregates.
- Suitable to produce concrete containing cement replacing pozzolonans like micro silica (silicafume), slag (GGBFS) and fly ash (PFA).

DOSAGE:

0.3% - 0.6% 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 200 is non toxic and non-flammable. However, any splashes on the human body must be washed with plenty of water.

Chembond Chemicals Limited

Chembond Centre, EL-71, MIDC,
Mahape, Navi Mumbai, India – 400 710,
Tel.: +91 22 66143 000 , Fax: +91 22 768 1294
website: www.chembondconschem.com
e-mail: sales@chembondconschem.com

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