TECHNICAL DATA SHEET

KEM PLAST 100 R

Retarding Plasticizer

DESCRIPTION:

Kem plast 100 R is a plasticizing and water reducing admixture with set retarding properties. It disperses and deflocculates cement particles, thus delaying the hydration process, thereby retarding the initial and final set.

PRODUCT SPECIFICATION / COMPLIANCES:

Kem Plast 100 R meets/exceeds the requirements as per IS 9103 and ASTM – C 494 Type- B & D.

Type	:
Colour	: Dark 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 concrete
- Slip formed concrete
- High strength concrete
- Pre-stressed concrete work
- To control set of concrete particularly in high temperature conditions.
- Bridge building, in placing bridge deck concrete where it is desirable to load the entire section prior to the concrete achieving the initial set.

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PRODUCT FEATURES:

- Allows a water reduction upto 15%, thus cement saving and cost effective.
- Highly effective in high cement content, low water cement ration mix to make the mix more workable without loss in strength, reduces bleeding and segregation.
- Enables the controlled extension of initial set and allows continuous concrete pours, extends vibration limit of concrete mix, thus reducing the incidence of honey combing and reducing the number of construction joints needed.
- Suitable to produce concrete containing cement replacing pozzolonans like micro silica (silicafume), slag (GGBFS) and fly ash (PFA

DOSAGE:

0.5 – 1.2% by weight of cement. Lab trials are recommended to determine the optimum dosage

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

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