



TECHNICAL DATA SHEET

KEM SCC – 30

Hyper Plasticizer based on modified
Poly Carboxylic Ether (PCE)

DESCRIPTION:

Kem SCC 30 is a third generation high performance concrete hyper plasticizer, an opaque – light brown coloured solution of Poly Carboxylic Polymer. KEM PAC 30 disperses cement particles and fillers by electro static repulsion coupled with steric hindrance. Stabilizes the cement particle's capacity to disperse and separate, resulting highly workable/flowable concrete with greatly reduced water content. KEM PAC 30 allows a water reduction upto 40% while workability is maintained. Thus with KEM PAC 30 we can produce concrete with high Early and ultimate strength with minimal voids and therefore optimum density. In applications where high final strengths are required for high performance concrete (HPC) or self-consolidability concrete (SCC) the use of KEM SCC 30 is suggested.

PRODUCT SPECIFICATION / COMPLIANCES:

Kem SCC 30 meets/exceeds the requirements as per ASTM – C494 Type-A & F.

Type	: Poly Carboxylic Ether
Colour	: Light Brown
Specific gravity	: 1.07±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:

- To produce high early strength concrete
- Self-compactable concrete
- Water reduction upto 40%
- Ready Mix and Pre-cast Concrete Industries where high durability and performance is required.



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PRODUCT FEATURES:

- To produce concrete with larger water reduction when cement and filler contents are high.
- To produce concrete with high workability without segregation and bleeding.
- Better resistance to aggressive atmospheric conditions, to carbonation, with lower permeability.
- Improved surface finish, reduced shrinkage & Creep and improved durability.
- Suitable to produce concrete containing cement replacing pozzolonans like micro silica (silicafume), slag (GGBFS) and fly ash (PFA).

DOSAGE:

0.2 – 2.5% by weight of cement and Pozzolana content. For SCC dosage is approximately 0.8% - 1.2%. To determine the optimum dosage lab trials are recommended.

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 SCC -30 is non toxic and non-flammable. However, any splashes on the human body must be washed with plenty of water.

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