



## TECHNICAL DATA SHEET

# KEM SUPLAST TB 101 R

## Super Plasticizer for Concrete

### DESCRIPTION:

Kem Suplast TB 101 R is a high range water reducing admixture – formulated from selected water soluble polycondensates and polymers. Kem Suplast TB 101 R incorporates a new generation of highly powerful dispersants, which make the product possible to use the full potential of cement – water matrix at a very low dosage.

### PRODUCT SPECIFICATION / COMPLIANCES:

Kem Suplast TB 101 R meets/exceeds the requirements as per IS 9103 and ASTM – C494 Type-G

Type	:	
Colour	:	Dark Brown
Specific gravity	:	1.20±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:

- Reinforced concrete
- High strength concrete
- Pre-stressed concrete work
- Water tight concrete/under water concrete

### PRODUCT FEATURES:

- Improves the workability and pumpability with quicker and easier placing and compaction.
  - Accelerates the hardening process once setting has started.
  - Suitable to produce concrete containing cement replacing pozzolonans like micro silica (silicafume), slag (GGBFS) and fly ash (PFA).
  - Reduce segregation and bleeding in plastic concrete
  - Reduce cracking and permeability in hardened concrete.
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**DOSAGE:** 0.3 – 1.8% by weight of cement or cementitious material and at extreme hot climate dosage can be further increased upto 3%. 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 SUPLAST TB 101 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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