

ALPHA PLAST SUPER-30

High Range Water Reducing Self Compacting Super Plasticizer.

DESCRIPTION:

ALPHA PLAST SUPER-30 is accelerating and high range water reducing admixture which is formulated using advanced Polycarboxylate technology. It is third generation admixture which does not contain calcium chloride it improves properties of plastic and hardened concrete, provides a significant improvement in early stiffening and setting characteristics, improves workability and decreases bleeding and segregation. This complex high performance admixture performs well under severe cold conditions allowing projects to stay on schedule.

USES:

ALPHA PLAST SUPER-30 A concrete admixture is a quick setting cement that can be used for several function for:

- ◆ To significantly reduce the water consumption of a concrete mix.
- ◆ Accelerate its setting time.
- ◆ Improve Workability.
- ◆ High strength concrete
- ◆ Long-distance traveling
- ◆ Low W/C ratio concretes

ADVANTAGES AND BENEFITS:

- ◆ Provide self-compacting concrete.
- ◆ Diminishing returns.
- ◆ Improve workability.
- ◆ Increased air content.
- ◆ Slow strength development.
- ◆ Reducing shrinkage.
- ◆ Concrete requires less vibrating.
- Non Staining
- Improves trowel ability and surface finish.

COMPATIBILITY:

ALPHA PLAST SUPER-30 is compatible with all types of cement complying with international standards. It can be used in combination with the following admixtures and additives.

- ◆ Air entraining admixtures
- ◆ Anti-freezing admixtures
- ◆ Pozzolan (Micro silica, flyash, GGBFS)
- ◆ Synthetic fibers
- ◆ Alkali silica reaction control admixtures
- ◆ waterproofing admixtures

DOSAGE:

ALPHA PLAST SUPER-30 dosage range is from 0.05 to 2.0 liters/100 kg of cementitious material

DIRECTIONS FOR USE / APPLICATION:

ALPHA PLAST SUPER-30 can be added to the initial batch water or directly on the freshly batched concrete. However, better results have been observed batching directly on the freshly batched concrete. It should not come into contact with dry cement or other admixtures until mixed thoroughly with the concrete batch. **ALPHA PLAST SUPER-30** is dispensed with automatic equipment, thus insuring uniformity of admixture use throughout the job.

PROPERTIES:

Appearance	Light Brown Liquid
Specific Gravity	Typically 1.0 @ 25°C
Chloride content	Nil to BS 5075 & BS:EN934-2
Air entrainment	Typically less than 3% additional air is entrained at normal dosages.
Alkali content	Typically less than 5.0 g. Na2O Equivalent / litre of admixture.

STANDARDS:

ASTM C494	Type A,F & G
BS 5075	Part 1
WRC	Used in portable water

PACKING:

Supplied in	DRUM / IBC
Storage	Dry, Frost free, out of direct sunlight.
Shelf life	12 months, when stores as above
Hazard class	No dangerous goods. Observe Material Safety datasheet