



PLASTOL 5700

HIGH RANGE WATER - REDUCING ADMIXTURE

EUCLID CHEMICAL

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DESCRIPTION

PLASTOL 5700 is a ready to use polycarboxylate based, high range water-reducing admixture for concrete. PLASTOL 5700 increases early concrete strength as well as ultimate strength. PLASTOL 5700 can be used to produce increased concrete slump or to significantly reduce water demand for a specific slump. PLASTOL 5700 can be added at the plant or jobsite and is compatible with other admixtures. PLASTOL 5700 contains no added chlorides.

PRIMARY APPLICATIONS

- High performance concrete
- Self-Compacting Concrete (SCC)
- Precast concrete
- Low water /cement ratio concrete
- High early strength concrete applications

FEATURES/BENEFITS

Plastic Concrete

- Low water/cement ratio reduces water demand
- Self-compacting concrete reduces labor costs
- High early strength reduces energy costs
- Controlled setting times reduces labor costs

TECHNICAL INFORMATION

Performance Data:

| PROPERTIES | VALUE |
|---|------------------------------------|
| Physical State | Straw yellow to Light brown liquid |
| Base Material | Polycarboxylate |
| Specific Gravity | 1.100 ± 0.02 @27°C |
| Air entrainment | ≤ 1.5% over control mix |
| pH | Minimum 6 |
| Chloride Content | < 0.2 % |
| Compatible with all cement types like OPC, OPC + Fly ash, PSC etc., | |

PACKAGING / YIELD

PLASTOL 5700 is packaged in 220 Kg HDPE Barrel.

SHELF LIFE

1 Year in original, unopened container.

SPECIFICATIONS/COMPLIANCES

Fully complies with the requirements of:

- ASTM C 494, Type G
- ASTM C 1017 as a Type I admixture
- AASHTO M 194

DIRECTIONS FOR USE

- Normal dosage range is 200 ml - 600 ml/50 kg of cement. However the optimum dosage is determined by site trials.
- PLASTOL 5700 should be added to initial batch water of the concrete mixture. Do not dispense on to dry cement.
- Over dosing leads to retardation of setting times of concrete, Mix may segregate and bleeding of concrete.

PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain PLASTOL 5700 above freezing, however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Do not agitate with air.
- Add to concrete mix independent of other admixtures.
- In all cases, refer the Safety Data Sheet before use.