



PLASTOL ULTRA 209

HIGH RANGE WATER REDUCING ADMIXTURE

DESCRIPTION

PLASTOL ULTRA 209 high-range water-reducing and superplasticizing admixture is formulated using advanced polycarboxylate technology, specifically engineered for concrete to provide maximum water reduction, slump, flow, and improved finishing characteristics while maintaining consistent air contents from initial batching to final placement. In addition, PLASTOL ULTRA 209 provides high compressive strengths, flexural strength, and excellent setting characteristics. PLASTOL ULTRA 209 can be used to reduce the total cement content and used in combination with supplementary cementitious materials. PLASTOL ULTRA 209 does not contain added chlorides or chemicals known to promote the corrosion of steel.

PRIMARY APPLICATIONS

- Precast/pre-stressed concrete
- Self-Consolidating Concrete (SCC)
- High slump, flowable concrete
- Low water to cement ratio concrete
- High early strength concrete
- Ready-mix concrete
- Flatwork and mass concrete
- Pervious concrete

FEATURES/BENEFITS

- Superior slump gain
- Consistent control of air content
- Improved cement hydration
- Low dosage
- Higher early and ultimate strengths
- Lowers number of rejected concrete loads
- Quicker stripping times
- Aids in concrete placement and reduces labor cost
- Improved finishability

TECHNICAL INFORMATION

| | |
|------------------|------------------------|
| Specific Gravity | 1.09 ± 0.02 @25°C |
| Physical State | Light brown liquid |
| Base Material | Polycarboxylate |
| Air entrainment | ±1.5% over control mix |
| pH | Min 6 |
| Chloride Content | <0.2 % |

Compatible with all cement types like OPC, OPC+fly ash, PPC etc.,

PACKAGING

PLASTOL ULTRA 209 is packaged in bulk 220 Kg.

SHELF LIFE

1 Year in original, unopened container.

SPECIFICATIONS/COMPLIANCES

- Confirms the requirements of IS 9103/2007
- ASTM C 494, Type A, F
- 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 ULTRA 209 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 segragate and bleeding of concrete.

PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain PLASTOL ULTRA 209 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, consult the Safety Data Sheet before use.