



# PLASTOL ULTRA 209 E

## HIGH RANGE WATER REDUCING ADMIXTURE

HIGH-RANGE WATER REDUCERS

PLASTOL ULTRA 209 E

Rev.01, 04/20

### DESCRIPTION

PLASTOL ULTRA 209 E 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 of concrete. In addition, PLASTOL ULTRA 209 E provides high compressive strengths, flexural strength, and excellent setting characteristics. PLASTOL ULTRA 209 E can be used to reduce the total cement content and used in combination with supplementary cementitious materials. PLASTOL ULTRA 209 E 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

### 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

PROPERTY	VALUE
Specific Gravity	1.09 ± 0.02 @27°C
Physical State	Light brown liquid
Base Material	Polycarboxylate
pH	Minimum 6
Chloride Content	<0.2%

Compatible with all cement types like OPC, OPC+Fly ash, PSC etc.,

### PACKAGING

PLASTOL ULTRA 209 E is packaged in 220 Kgs.

## 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 E 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 ULTRA 209 E 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.