# PLASTOL 351

MID-RANGE WATER REDUCING ADMIXTURE - RETARDING SUPERPLASTICIZER



# **EUCLID** CHEMICAL

# DESCRIPTION

PLASTOL 351 is a polycarboxylate plasticising admixture manufactured with state of the art chemistries developed for the production of high performance concrete / high strength concrete. Plastol 351 shows improved finishing characteristics when compared to other commonly used admixtures. Plastol 351 doesn't contain Calcium Chloride.

#### PRIMARY APPLICATIONS

- Cast in Place
- Ready mix Concrete

#### Concrete mixtures utilizing Fly Ash, Slag or other natural pozzolans

## **FEATURES/BENEFITS**

#### **Plastic Concrete**

- Improves finishability
- Improves workability
- Reduces water requirement
- Improves setting times
- Excellent slump retention

#### Hardened Concrete

- Increases all strength
- Reduces permeability
- Increases durability
- Improves finished appearance
- Achieve high early strength

#### **TECHNICAL INFORMATION**

#### **Performance Data:**

PROPERTY	VALUE
Physical State	Straw yellow to light brown color liquid
Base Material	Polycarboxylate
Specific Gravity	1.08 ± 0.02 @ 27°C
рН	Minimum 6
Chloride Content	< 0.2 %
Compatible with all compatible ODC ODC, Elvard, DSC at	

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

# **PACKAGING / YIELD**

PLASTOL 351 is packaged in 220 Kg HDPE Barrel.

# SHELF LIFE

1 Year in original, unopened container.

## **SPECIFICATIONS/COMPLIANCES**

Confirms the requirements of

- IS 9103/2007
- ASTM C 494, Type G
- AASHTO M 194



PLASTOL 3200

MID-RANGE WATER REDUCING ADMIXTURE

#### **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 351 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 seggregate and bleeding of concrete.

#### **PRECAUTIONS/LIMITATIONS**

- Care should be taken to maintain PLASTOL 351 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Never agitate with air or an air lance.
- In all cases, refer the Safety Data Sheet before use.



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