



## DUPLAST SP SUPER PLASTICIZER

### High range water reducing super plasticizer for concrete, mortar

DUPLAST SP is a powerful super plasticizer dispersing agent based on modified sulphonated naphthalene formaldehyde condensate. It provides very high water reduction.

#### Uses

- Precast and Pre- stressed concrete
- Floor slab and Girders
- Foundation
- Wall, column, beam and ceiling
- Pump concrete and mass concrete
- Congested reinforcement concrete
- Lowers water cement ratio
- Ready mix concrete

#### Advantage and Benefits

- Imparts extreme fluidity
- Allows water reduction (20- 30%)
- Higher early and ultimate strength
- Rapid placing with no vibration
- Improves surface finish, cohesion
- Reduces shrinkage and cracks
- Chloride free
- Produce denser and more durable concrete giving better protection to steel against corrosion
- Flow able concrete

#### Typical Properties

ASTM C – 494 “TYPE F”  
Complies with BS 5075 Part 3  
IS 9103 – 1979

#### Method of Use

DUPLAST SP is a ready use admixture which is dispensed into the concrete together with the mixing /gauging water. The dosage rate is 300ml to 900ml per 50kg of cement bag. Optimum dosage should be determined by site trials.



## ■ Technical Information :

Form	<b>Liquid</b>
Colour	<b>Brown</b>
Chlorine Content	<b>Nil</b>
pH	<b>Min 6</b>
Air entraining	<b>1% additional air</b>
Specific Gravity	<b>1.23 ± 0.02</b>

## ■ Dosage

300ml to 900ml per 50kg of cement bag. Optimum dosage should be determined by site trials.

## ■ Compatibility

- DUPLAST SP is compatible with all type of cement. E.g. OPC,PPC,PSC etc.
- DUPLAST SP is compatible with all air entraining agent which complies with IS 9103-2003 and integral waterproofing compound which complies with IS 2645-1978. If other admixtures are be used in concrete containing DUPLAST SP, they must be dispensed separately.

## ■ Packaging

DUPLAST SP is supplied in 100kg, 250kg drums. (in Bulk on request )

## ■ Shelf Life

DUPLAST SP has shelf life of one year in manufactures unopened containers protect from frost & direct sunlight.

## ■ Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product is fully cured or dried).

- Do not reuse containers for storage of consumable item.
- Duplast SP is not a fire or health hazard.
- If accidentally ingested, seek immediate medical attention.
- Treat splashes to eyes and skin immediately.
- Keep away from children and animals.
- Reseal containers after use.



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