

## BUILDPLAST SUPER - 3000

New generation high range superplasticiser for high performance concrete

**DESCRIPTION :** BUILDPLAST SUPER - 3000 is a new generation towards 21<sup>st</sup> century Superplasticiser for producing high strength, free flowing and self compacting concrete. It is based on specially selected organic Polycarboxylate Ether Polymer. It allows large reduction in water content whilst maintaining similar workability for a long time. Water reduction 20% or more is possible with **BUILDPLAST SUPER - 3000**.

### STANDARDS

Conforms to IS:9103 and ASTM C 494 Type F

**USES:** BUILDPLAST SUPER - 3000 is used in flowing concrete, pumped concrete, prestressed concrete as well as in industrial/commercial flooring/floor toppings and where slump retention is the requirement.

### FEATURES

- ❖ Extremely high workability, speeds construction
- ❖ Self compacting
- ❖ Reduced permeability due to lower w/c ratio
- ❖ Very high strength through large water reduction
- ❖ Reduced segregation with increased cohesion
- ❖ Chloride free, safe in prestressed and reinforced concrete
- ❖ Reasonable working life at elevated temperature
- ❖ Economical – substantial cement saving is possible without strength and workability loss.

### APPLICATION

Suitable mix design as normally required for Superplasticiser should be followed with **BUILDPLAST SUPER - 3000** for the particular requirement of strength, cost saving or flowing concrete or high slump concrete.

### DOSAGE

0.5% to 1% by weight of cement, depending upon site requirements

### TECHNICAL DATA

Colour	:	Transparent Liquid
pH	:	5 - 9
Specific gravity	:	1.03 – 1.10
Chloride	:	Nil to BIS 9103
Chemical base	:	Polycarboxylate ether polymer
Setting time	:	2-3 hours retardation depending upon its dosage
Compatibility	:	With all portland & blended cements
Air entrainment	:	Less than 1%
Shelf life	:	12 months in unopened containers
Packing	:	250 kgs
Health & Safety	:	Non-toxic, non-inflammatory and eco-friendly