

## BUILDPLAST SUPER - RP

High range water reducing-cum-retarding admixture for concrete

**DESCRIPTION :** BUILDPLAST SUPER – RP is a high range water reducing-cum-retarding admixture with a high degree of slump retention. It is a dark brown liquid based on specially selected organic polymers. It allows large reduction in water content whilst maintaining similar workability. Water reduction upto 15% is possible with **BUILDPLAST SUPER - RP** depending upon the dosage.

**STANDARD :** Conforms to IS: 9103 and ASTM C494 Type G.

**USES :** BUILDPLAST SUPER - RP is used where an extremely workable flowing concrete without loss of strength or large water reduction is to be made for the same workability which results in dense concrete with higher ultimate strength, in addition to high degree of workability retention, particularly when delay in transportation or placing of concrete is likely to cause rapid loss of slump in higher temperature.

### FEATURES

- ❖ High workability
- ❖ Little vibration required, self-compacting.
- ❖ Reduced permeability due to lower w/c ratio
- ❖ Higher strength
- ❖ 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 or workability loss.

### APPLICATION

Suitable mix design as normally required for water reducing admixture should be followed with **BUILDPLAST SUPER – RP** for the particular requirement of strength, cost saving or flowing concrete or high slump concrete.

### DOSAGE

The normal dosage of **BUILDPLAST SUPER – RP** is in the range of 0.5% to 1.5% by weight of cement, depending upon the requirements at site.

### TECHNICAL DATA

Colour	:	Dark brown
pH	:	7 - 8
Specific gravity	:	1.18 ± 0.02
Chloride	:	Nil to BIS 9103
Shelf life	:	12 months if kept unopened
Storage condition	:	Store it under a shade
Compatibility	:	With all portland & blended cements.
Chemical basis	:	Naphthalene-formaldehyde condensation polymer.
Air entrainment	:	Less than 1%
Packing	:	250 & 25 kgs.
Health & safety	:	Non-toxic, non-inflammable and eco-friendly.