

## BUILDPLAST CF

### Chloride free plasticizing accelerator for concrete and mortar

**DESCRIPTION :** BUILDPLAST SUPER – CF is a chloride free plasticizer-cum-accelerator in liquid form. It is based on organic polymers. It is used in plain concrete and mortar to give rapid strength development for early stripping of form-work. It gives significant increase in cold weather concreting.

**STANDARD :** BUILDPLAST SUPER – CF to IS: 9103 and ASTM C494 Type C & E

**USES :** BUILDPLAST SUPER – CF is used in concrete or mortar when faster development of strength is required.

#### FEATURES

- ❖ Chloride free safe in pre-stressed and reinforced concrete
- ❖ Excellent in cold weather concreting
- ❖ Reduced water requirement in concrete or mortar without loss of workability
- ❖ Enables earlier release of form-work
- ❖ Reduced segregation and bleeding
- ❖ Higher density and strength at all ages
- ❖ Early setting improves frost resistance
- ❖ Reliability - produced under strict quality control

**APPLICATION :** BUILDPLAST SUPER – CF should be used along with gauging water. Site trial is always advisable to optimize the dosage. But as a guide, dosage of 1.5 % to 3% by weight of cement. But in plain concrete, dosage above 3% by weight of cement may be used.

**BUILDPLAST SUPER – CF** is specifically formulated for pre-stressed concrete and cold weather concrete.

Typical results

M-25 : Sand Zone II

Cement : OPC 43 grade

Test	Cement Content	Dosage of Buildplast super CF	Setting time (as per IS 9103)		Comp. Strength (N/mm <sup>2</sup> )	
			Initial (hrs.)	Final (hrs.)	24 Hours	3 Days
Control	450 Kg.	Nil	4-1/2	8	7.00	20.00
After adding Buildplast Super CF	450 Kg	2.5% by weight of cement	3	5	10.00	24.00

#### TECHNICAL DATA

- Colour : Dark brown  
 pH : 6 - 8  
 Specific gravity : 1.25 ± 0.02  
 Chloride : Nil to BIS 9103 & IS 456  
 Shelf life : 12 months if kept unopened  
 Storage condition : Store it under a shade  
 Setting time : 45-60 minutes earlier than the control concrete but carry out site trials to ascertain the same.  
 Strength : At least 50% more against control in 24 hours, but carry out site trials to ascertain the same.  
 Compatibility : With all portland cements.  
 Air entrainment : Less than 1%  
 Packing : 25 kgs & 250 kgs.  
 Health & safety : Non-toxic, non-inflammable and eco-friendly.