

BUILDPLAST RAPID

Plasticising accelerator for concrete and mortar

DESCRIPTION : BUILDPLAST RAPID is a plasticiser-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.

STANDARDS : Conforms to IS:9103 & ASTM C 494

USES : It is used in concrete or mortar when faster development of strength is required.

FEATURES

- ❖ Excellent during winter working
- ❖ Enables earlier release of form-work
- ❖ Reduces the water content of concrete or mortar without loss of workability
- ❖ Reduces segregation and bleeding
- ❖ Higher density and strength at all ages
- ❖ Reliability – produced under strict quality control

APPLICATION

BUILDPLAST RAPID should be used along with gauging water. Site trial is always advisable to optimize the dosage. But as a guide, dosage of 0.750 kg to 1.5 kg per 50 kg. cement may be considered. In concrete containing reinforcement or other embedded metals, the maximum dosage of 1.5 kg./50 kg. cement should never be exceeded. But in plain concrete, dosage above 1.5 kg./50 kg. cement may be used.

BUILDPLAST RAPID should not be used in prestressed concrete with High Alumina or Sulphate Resisting Cement and also with steam curing.

TECHNICAL DATA

Form	:	Dark brown liquid
Specific gravity	:	1.30 ± 0.02
Shelf life	:	One year if kept in unopened containers.
Storage	:	Keep it under a shed
Air entrainment	:	Less than 1% over control mix
Setting time	:	45 minutes to 60 minutes earlier, but it is advisable to carry out site trials to ascertain the same.
Strength	:	At least 50% more in 24 hours, but carry out site trial to ascertain the same.
Packing	:	25 kgs. and 250 kgs. drums.
Health and safety	:	Non-toxic, non-inflammable and eco-friendly.