

## BUILDPLAST AP

### Air entraining plasticiser

**DESCRIPTION :** BUILDPLAST AP is a dark brown liquid based on polymeric resin. It produces microscopic air bubbles evenly distributed throughout the concrete. It contains properties of Superplasticiser.

**STANDARD :** BUILDPLAST AP complies with IS 9103, ASTM C 260 & C 494

**USES :** It is most suitable for Concrete Runways and Bridges, Canal Linings, Dams, Reservoirs, Tunnel linings etc.

### FEATURES

- ❖ Increased durability : Produces stable microscopic air bubbles distributed uniformly throughout concrete Resistant to attack by frost and deicing salts thermal movement, crack free concrete.
- ❖ Increased cohesion : Increased pumpability with lean mixes. The concrete in transit will show no segregation.
- ❖ High workability : Imparts workability retention and high strength.
- ❖ Less vibrating effort through the ball bearing action of the air bubbles.
- ❖ Most economical, as it increases the yield of concrete by percent age of air entrained.
- ❖ Reliability – produced under strict quality control system.
- ❖ Improves impermeability.
- ❖ Useful for lightweight concrete.

### APPLICATION

**BUILDPLAST AP** should be added along with gauging water. The quantity of air entrained will vary with respect to the proportion of sand and the plasticity of the concrete mix. A site trial is always advisable for the entrained air content with an air meter and accordingly dosage is adjusted to keep the air content within required limit. Approved mix design of concrete with air entraining agent should be followed.

### DOSAGE

The dosage of **BUILDPLAST AP** will vary according to mix design and aggregate grading. But as a guideline, dosage of 100ml – 350ml, per 50kg. cement may be considered. The dosage will have to be increased if more fine materials like more cement or fly ash are used in the concrete.

### TECHNICAL DATA

Form	:	Liquid
Colour	:	Dark brown
Air entrainment	:	4-7% at the normal dosage
Specific gravity	:	1.18 ± 0.02
pH	:	7-8
Chloride	:	Nil as per IS 9103
Effect on setting	:	Negligible.
Storage	:	Keep it under shed and protect from frost.
Compatibility	:	All portland and blended cements.
Shelf life	:	One year if kept in unopened containers.
Packing	:	25 kgs. and 250 kgs.