

BUILDPLAST AEA

Air entraining agent for concrete

DESCRIPTION : BUILDPLAST AEA is a dark brown liquid based on polymeric resins. It produces microscopic air bubbles evenly distributed throughout the concrete.

STANDARDS : Conforms to IS:9103 & ASTM C 260

USES : BUILDPLAST AEA is most suitable for Concrete Runways and Bridges, Canal Linings, Dam, Reservoir, Tunnel Linings etc.

FEATURES

- ❖ Increased durability : 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.
- ❖ Less vibrating effort through the ball bearing action of air bubbles.
- ❖ Most economical, as it increases the yield of concrete by the percentage of air entrained.
- ❖ Reliability – produced under strict quality control system.
- ❖ Improves impermeability.

APPLICATION

BUILDPLAST AEA 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 AEA will vary according to mix design and aggregate grading. But as a guideline, dosage of 75ml – 100ml, per 50 kg. cement may be considered. Dosage may have to be increased if more fine materials like more cement or fly ash is used in the concrete.

TECHNICAL DATA

Form	:	Liquid
Colour	:	Dark brown
Specific gravity	:	1.03 ± 0.01
Chloride	:	Nil to BIS 9103
Effect on setting	:	Negligible
Storage condition	:	Keep it under shade and protect from frost.
Compatibility	:	All portland cements.
Shelf life	:	One year if kept in unopened containers.
Packing	:	250 kgs. 25 kgs. drums.
Health and Safety	:	Non-toxic, non-inflammable and eco-friendly.