

DURA BUILD CARE PVT. LTD.



AN ISO 9001 : 2008 COMPANY

"Quality, Integrity Assured."

DURASPRED AEA

Air Entraining Agent for Concrete

Description :

DURASPRED AEA is a dark brown liquid based on polymeric resin. It produces microscopic air bubbles evenly distributed throughout the concrete.

Standards :

Conforms to **IS : 9103-1979** and **ASTM C 260**

Uses :

It is most suitable for concrete 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 : Around 5 to 9% water reduction is possible. Imparts workability retention.
- * Less vibrating effort through the ball bearing action of the air bubbles.
- * Most economical, as it increases the yield of concrete by the percentage of air entrained.
- * Reliability – produced under strict quality control system, quality shall never vary.
- * Improves impermeability.

Application :

DURASPRED 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 **DURASPRED AEA** will vary according to mix design and aggregate grading. But as a guide line, dosage = 15-60 ml per 50 kg cement. This addition rate will have to be increased, if more fine material like more cement or Fly Ash is used in the concrete.

Technical Data :

Form	:	Liquid
Colour	:	Dark Brown
S. G.	:	1.03 ± 0.01
Chloride	:	Nil(No added chloride, if found traces, the Same may due to town water supply.
Effect on setting	:	Negligible
Storage condition	:	Keep it under shed and protect it from frost.
Compatibility	:	All Portland Cements.
Shelf Life	:	12 months if kept in original packing under shed.
Packing	:	In 25 Kg, 200 Kg or as per the choice of customer
Health & safety	:	Non-toxic and non-flammable. Eco-friendly.

DURA



IMPORTANT: Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

WARRANTY: Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

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