

Sika-Aer®D Air Entraining

DESCRIPTION	Sika-Aer D is a liquid admixture, amber clear, which incorporates a controlled quantity of air in concrete according to the employed dose. Contains no chlorides.
USES	<p>Sika-Aer D is used in the different types of prefabricated or not concretes, roads, highways, bridges, dikes, dam walls, plates etc. when it is required to:</p> <ul style="list-style-type: none"> • Reduce significantly their permeability and thus increase their durability. • Increase their durability and resistance to aggressive environments (seawater, sulphated water or soils, etc.) • Improve their fluidity. • Diminish concrete exudation and the corresponding formation of continuous capillaries. • Controls the exudation of the mixture and reduces the capillarity, permeability and surface drying of concrete in a plastic state. Makes concrete more durable and resistant to aggressive environment by reducing permeability. • Excellent help in concrete pumping. • Reduces friction in pipes when pumping concrete. • Strikingly improves the appearance and consistency of rough blends made with grind aggregates or fine-deficient. • Does not affect the setting time. • The dosage range enables its incorporation in concrete production facilities using automatic or semiautomatic equipment.
USAGE	<p>Add it to the mixture dissolved in the last portion of the mixing water during the preparation of the concrete or directly to the mixing water, preferably before adding the cement and aggregates.</p> <p>In all applications, Sika-Aer D should be used with simple or high power water reducers of type Plastiment or preferably Sikament, dosed in different containers.</p> <p>Dosage: Sika-Aer D is dosed from 0.1 to 0.6% of the cement weight of the mixture.</p>
TECHNICAL INFORMATION	<p>Sika-Aer D meets standard ASTM C-260 as an air entraining admixture.</p> <p>Density: 1.0 kg / l ± 0.03 kg / l</p>
PRECAUTIONS	<p>The use of air entraining admixtures in concrete requires a perfect control over:</p> <ul style="list-style-type: none"> • The grain size of the mixture, especially in the area of the fine aggregates

- Adjusting the dose of the admixture such that the content of air obtained does not exceed 6%.
- Mixing time should be increased by 25% to enhance the formation of air bubbles.
- Concretes with surface hardeners should not have air entrainment.
- The air content obtained with a certain dose of the admixture will depend on: the temperature of the site, the quantity and fineness of the cement and the concrete settlement.
- The optimal dose must be determined by tests with the materials and in the job conditions.
- The best results are obtained when the components involved in the preparation of the concrete meet the standards in force.
- Dose separately when using other admixtures in the same mixture.
- The curing of the concrete with water and/or Antisol before and after setting is indispensable.

SAFETY MEASURES

Keep out of reach of children. Use rubber gloves and safety goggles when handling. Does not present health issues.

PACKAGING

Drum of 200 kg or in bulk

STORAGE AND TRANSPORTATION

One (1) year in a cool indoor location, in its original tightly closed container. For transportation, normal precautions for handling of a chemical product should be taken. Do not transport with food.

CODES R/S

R: 22/25

S: 26

NOTA

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Responsabilidad Integral

Sika®