

Sika Aer[®]

Air Entraining Concrete Admixture

Product Description A ready to use highly concentrated air entraining concrete admixture. Its efficiency is based upon the number of correctly sized and evenly distributed air pores. It complies with ASTM C 260-81 and BS 5075 Part 2

Uses Sika Aer[®] is used to produce easily workable and durable concrete for:

- Roads
- Runways and taxiways
- Aprons and hard standings
- Dams and reservoirs
- Mass concrete structure

Advantages Sika Aer[®] provides the following properties:

- Increased frost resistance
- Resistant to de-icing salts
- Improved workability
- Improved durability
- Increased cohesion reducing the risk of segregation
- Reduced water content without loss of workability
- Unaffected setting time even when overdosed.

Technical Data

Type Surface Active Agent

Colour Brown Liquid

Density 1.01 Kg/l (ASTM C-494)

Packaging 5 Kg and 20 Kg pails
200 kg drums
Bulk Tanks packing available upon request

Storage Store in dry conditions, protected from direct sunlight and frost.

Shelf Life 12 months from date of production if stored properly in undamaged and unopened original sealed packing.

Application

Dosage 0.03 – 0.15 % by weight of cement. Exact dosage rates are determined by air meter tests in trial mixes.

Factors affecting air contents include: type, grading and proportion of sand, cement, aggregates, cement content per m³, type and fineness of cement, water/cement ratio, and temperature. In certain cases therefore, it may be necessary to increase the 0.15% dosage rate.

Air meter tests should be taken consistently and adjustments made to the dosage rate in order to completely control the amount of air entrainment, which should be in the range of 3 – 6 %



Dispensing	Sika Aer® is added to the mixing water prior to its addition to the aggregates.
Important	Increased air contents generally have a detrimental effect on strengths. This can be adequately compensated by using Plastiment® or Sikament®
Safety Instructions	
Safety Precautions	Accidental splashes to the skin must be washed off with soap and water. Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay.
Ecology	Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.
Transport	Non-hazardous
Toxicity	Non-Toxic under relevant health and safety codes.
Legal notes	The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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