

Technical Data Sheet
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Sika-AER®

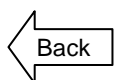
Sika-AER®

Air Entraining

Description	A ready to use highly concentrated air entraining concrete admixture. Its efficiency is based upon the entrainment into the mix of a high number of correctly sized and evenly distributed air bubbles. Complies with A.S.T.M. C 260 – 94
Use	Sika-Aer is used to produce easily workable and durable concrete for : <ul style="list-style-type: none"> ■ Roads ■ Runways and taxi ways ■ Aprons and hard standings ■ Dams and reservoirs ■ Mass concrete structures.
Advantages	Sika - Aer provides the following properties : <ul style="list-style-type: none"> ■ 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.
Dosage	0.02 % - 0.15 % by weight of cement. Exact dosage rates are determined by air meter tests in trial mixes. Factors affecting air content include : type, grading and proportion of sand, cement and aggregates. Cement content per cubic metre. 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 normally in the range of 3 – 6 %.
Dispensing	Sika-Aer is added directly to the mixing water prior to its addition to the aggregates
Special Notes	Increased air contents generally have a detrimental effect on strengths. This can be adequately catered for by using Plastiment or Sikament as water reducer admixture for concrete

Technical Data

Type	Surface Active Agents
Colour	Colourless
Specific Gravity	Approx. 1.01 kg/ltr
Shelf life	1 year if stored properly in unopened original container
Storage	Dry, cool, shaded place
Packaging	200 kg drum 20 kg can



Handling Precautions:

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

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 product 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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