

PRODUCT DATA SHEET

Sika® Aer-50

Air Entraining Concrete Admixture

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 an evenly distributed air pores.

USES

Sika® Aer-50 is used to produce easily workable and durable concrete for:

- Runways and taxi ways
- Aprons and hard standings
- Dams and reservoirs
- Mass concrete structures

CHARACTERISTICS / ADVANTAGES

Sika® Aer-50 provides the following properties:

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

PRODUCT INFORMATION

Packaging	20 kg/pail, 1000 kg/IBC container
Shelf life	12 months from the date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.
Appearance and colour	Transparent
Density	1.01 ± 0.02 kg/l
Recommended dosage	0.03 - 0.15% by weight of cement. Exact dosage rates are determined by air meter test in trial mixed. Factors affecting air contents 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 case therefore, it may be necessary to increase the 0.15% dosage rate. Air meter tests should be taken consistently and adjustment made to the dosage rate in order to completely control the amount of entrained air, in the range of 3 - 6%.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

DISPENSING

Sika® Aer-50 is added directly to the mixing water prior to its addition to the aggregates.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.

