

PRODUCT DATA SHEET

SikaControl®-140 AER

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 and evenly distributed air pores.

USES

SikaControl®-140 AER is used to produce easily workable and durable concrete for:

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

PRODUCT INFORMATION

Chemical Base	Surface Active Agents
Packaging	25 Litre 200 Litre drum 1000 Litre IBC
Appearance / Colour	Clear amber liquid
Shelf Life	12 months in original unopened containers
Storage Conditions	Store in a dry area between 5°C and 25°C.
Density	1,01 kg/litre
pH-Value	6.0 +/-1

CHARACTERISTICS / ADVANTAGES

SikaControl®-140 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

APPROVALS / STANDARDS

Complies with A.S.T.M. C 260-81

APPLICATION INFORMATION

Recommended 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 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 in the range of 3 - 6%.

Dispensing

SikaControl®-140 AER is added directly to the mixing water, prior to its addition to the aggregates.

Increased air contents, generally have a detrimental effect on strengths.

This can be adequately catered for by using a Plastiment®, SikaPlast® or ViscoCrete® admixture. Please refer to our Technical Services Department.

BASIS OF PRODUCT DATA

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

ECOLOGY HEALTH AND SAFETY

Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data must be obtained from the Material Safety Data Sheet.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika South Africa (Pty) Ltd

9 Hocking Place,
Westmead, 3608
South Africa
Phone +27 31 792 6500
www.sika.co.za



Product Data Sheet

SikaControl®-140 AER
June 2021, Version 01.04
021403021000000232

SikaControl-140AER-en-ZA-(06-2021)-1-4.pdf