

PRODUCT DATA SHEET

Sika® Aer 50/50

HIGH AIR ENTRAINING ADMIXTURE FOR PUMPABLE LIGHTWEIGHT CONCRETE OR GROUT

DESCRIPTION

Sika® Aer 50/50 is a foaming agent for lightweight pumped or poured concrete or grout used in structures characterised by very high noise and thermal isolation and for low strength concrete or grout fillings.

Sika® Aer 50/50 is a high concentrated liquid foaming admixture for concrete made with lightweight aggregates (expanded clays and polystyrene) or for all other kinds of concrete or grout where high air content is required.

Due to its stabilising components Sika® Aer 50/50 allows one to produce a very high stable air content during the work and pumping time. The volume of concrete or grout after pumping or pouring is extremely stable.

Depending on the quality of sands, lightweight aggregate, cement and water content, Sika® Aer 50/50 allows the production of concrete with a specific weight of 800–1 000 kg per cubic meter.

USES

Concrete or grout where high air content is desired (not for freeze-thaw resistant concrete), for example:

- Isolations for roofs (lightweight aggregate-foamed concrete)
- Cavity filling
- Back filling – roadways, sewer trenches, etc.
- Embedding pipes
- Infilling of old works

CHARACTERISTICS / ADVANTAGES

Sika® Aer 50/50 is a user-friendly product. Lightweight concrete or grout can be made using conventional mixers and truck mixers

PRODUCT INFORMATION

Composition	Blend of synthetic surfactants and polymer
Packaging	20 L pail 200 L drum
Appearance / Colour	Light straw liquid
Shelf Life	12 months from the date of production
Storage Conditions	Store properly in original, unopened and undamaged packaging in dry conditions. Protect from direct sunlight.
Total Chloride Ion Content	Nil (less than 0.1 % by weight)

APPLICATION INFORMATION

Recommended Dosage	Sika® Aer 50/50 can be dosed at between 1.6–2.0 L per cubic meter of lightweight concrete.
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APPLICATION INSTRUCTIONS

DISPENSING

Lightweight aggregates must be saturated with water before preparing the concrete.

Put the admixture at the end of concreting procedure and keep the mixer spinning for 10 minutes at the highest speed possible.

Dispensing with foam pump is preferable, as it gives very fine micro bubbles.

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.

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.

Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate, 71800

Nilai

Negeri Sembilan D.K., Malaysia

Phone: +606-7991762

Fax: +606-7991980

e-mail: info@my.sika.com



Product Data Sheet

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