

PRODUCT DATA SHEET

Sika® Air - LS

AEA - Air Entraining Agent

DESCRIPTION

Sika® Air-LS is an air-entraining agent based on synthetic surfactants. It is a diluted version of Sika® Air and therefore performs and fulfils the same function as Sika® Air but at higher dose rates, to enable more accurate dosing. Its efficiency is based upon the entrainment into the mix of a high number of correctly sized and evenly distributed air bubbles.

USES

Sika® Air LS is used to:

- Improve resistance to freeze-thaw cycles in hardened concrete;
- Increase cohesion, reducing the concrete tendency to bleed and segregate;
- Improve compaction of low workability mixes including semi-dry concrete.

CHARACTERISTICS / ADVANTAGES

- Improves concrete workability;
- Increases cohesion and reduces the risk of segregation;
- No effect on setting times;
- Increased freeze and thaw resistance
- Reduced bleed water

APPROVALS / CERTIFICATES

Sika® Air-LS meets and exceeds all requirements of Australian Standard AS 1478.1-2000 for Air-entraining admixture (AEA).

PRODUCT INFORMATION

Packaging	205 litre drum Bulk deliveries
Appearance / Colour	Water based liquid orange-brown
Shelf life	In unopened original container 12 months at least
Storage conditions	Store at temperature between 5°C and 35°C protected from direct sunlight and frost
Specific advice	Exact dosage rates of Sika® Air-LS can be determined by air meter tests in trial mixes.
Recommended dosage	Typical dosage rates for general concrete production range from 250-750 mls per cubic metre of concrete. For low slump concrete (<65 mm slump) and pavement type concrete, particularly concrete that contains high volume of fly ash, substantially higher dose rate of Sika Air LS may be required to achieve the desired air content. Typical dose rates for high volume fly ash or low slump concrete range from 500-3000 ml per cubic metre of concrete.

Compatibility

Sika® Air - LS is compatible with all the water reducer (WR), mid range water reducer (MWR), high range water reducer (HWR), set accelerator and set retarder manufactured by Sika Australia PTY LTD.

Dispensing

Sika® Air-LS is added directly to the mixing water

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

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.

LOCAL RESTRICTIONS

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

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**Product Data Sheet**

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