

# PRODUCT DATA SHEET

## Sika® Aer TH

### Air Entraining Concrete Admixture

#### DESCRIPTION

Sika® Aer TH 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

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

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

#### PRODUCT INFORMATION

<b>Composition</b>	Surface Active Agents, Surfactants
<b>Packaging</b>	25 L/pail 200 L/drum
<b>Appearance / Colour</b>	Brown
<b>Shelf life</b>	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
<b>Storage conditions</b>	Store in dry conditions, protected from direct sunlight at temperature between 5°C and 40°C
<b>Density</b>	1.00 - 1.02 kg/L (at temperature 25°C)

#### CHARACTERISTICS / ADVANTAGES

Sika® Aer TH provides the following properties:

- Increased frost resistance
- 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 / CERTIFICATES

Complies with TIS 874

## APPLICATION INFORMATION

<b>Recommended dosage</b>	30-150 cc. per 100 kg. of cement weight. 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 150 cc 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%.
<b>Dispensing</b>	Sika® Aer TH is added directly to the mixing water prior to its addition to the aggregates.

## 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.

## IMPORTANT CONSIDERATIONS

Increased air contents generally have a detrimental effect on strengths. This can be adequately compensated for by using Sika® Plastiment® or Sika® Plastocrete® or Sikament® admixtures.

## 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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## 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.

**Sika (Thailand) Limited**  
700/37 Moo 5 Amata City Chonburi  
Industrial Estate, T. Klong Tamhru  
A. Muang, Chonburi 20000, Thailand  
Tel : +66 3810 9500  
E-mail : sikathai@th.sika.com  
Website: tha.sika.com



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