BUILDING TRUST

PRODUCT DATA SHEET

Sika® AER PK

Air Entraining Admixture

DESCRIPTION

A ready to use highly concentrated air entraining concrete admixture. Its efficiency is based upon number of correctly sized and evenly distributed air pores.

USES

Sika® AER PK is used to produce easily workable and dureable concrete for:

- Roads
- Runways and Taxiways
- Aprons and hard Standings
- Dams and Reservoirs
- Mass Concrete Structure

CHARACTERISTICS / ADVANTAGES

Sika® AER PK Provides the following properties:

- Increased frost resistance
- Resistance to de-icing salts
- Improved workability
- Improved durability
- Increased cohesion reducing the risk of seggregation
- Reduced water content without loss of workability
- Uneffected setting time even when overdosed

APPROVALS / STANDARDS

Sika® AER PK complies with ASTM 260-81 and BS 5705 Part 2.

PRODUCT INFORMATION

Chemical Base	Surface Active Agent
Packaging	05 ltr jerry can 20 ltr plastic can 200 ltr drum 1000 ltr IBC Bulk supply in tanker is possible on demand
Appearance / Colour	Clear Liquid
Shelf Life	12 months minimum from production date if stored properly in original unopened packaging.
Storage Conditions	The product must be stored properly in undamaged, unopened original sealed packaging in dry conditions at temperatures between +5° C and +35° C. Protect from direct sunlight and frost.
pH-Value	≥ 6
Total Chloride Ion Content	Nil (EN 934-2)
Specific gravity	1.023 ± 0.02

APPLICATION INFORMATION

Recommended Dosage	0.03 – 0.15% by weight of cement. Exact dosage rates are defined by air meter tests trial mixes. Factors effecting air contents include: type, grading and proportion of sand, cement, aggregates, cement content per m³, types and fineness of cement, water/cement ratio and temperature. İn certain cases, 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	Sika AER is added to mixing water prior to its addition to 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.

LIMITATIONS

Increased air content really have detrimental effect on strengths. This can be adequately compensated by using Plastiment® ot Sikament®.

ECOLOGY HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

CLEANING OF TOOLS

Clean all equipment and tools with water immediately after use.

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.

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