

PRODUCT DATA SHEET

SikaControl®-125 AER BD

Air-entraining agent for concrete with high frost and de-icing salt resistance

DESCRIPTION

Liquid air-entraining agent for reinforced and non-reinforced concrete with high resistance to frost and de-icing salts.

USES

SikaControl®-125 AER BD a superplasticizer for light weight concrete.

FEATURES

- Reduces surface tension of the mixing water, forming micro air voids during mixing.
- Improves plasticization and cohesion of the concrete mix.

- Has minimal impact on cement setting.
- Promotes a homogeneous structure with consistent plasticity.
- Effects may be influenced by other admixtures, especially water-reducing or defoaming agents.

CERTIFICATES AND TEST REPORTS

- Air-entraining agent for concrete according to DIN EN 934-2:T5.
- Suitable for use with concrete containing alkali-sensitive aggregates as per Alkali Guideline 7.1.3 (1).
- Meets the requirements of ZTV-ING and ZTV Beton-StB 07.
- Approved for use in concrete that comes into contact with drinking water (application areas II to IV) according to DVGW worksheets W 347 and W 270.

PRODUCT INFORMATION

Composition	Modified Poly Carboxylate Ether (PCE)
Packaging	SikaControl®-125 AER BD is supplied in 230 Kg, 1000 Kg or bulk on request.
Appearance and colour	Reddish-brown Liquid
Shelf life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.
Density	~1.01 ± 0.02 kg/l at 25°C
pH-Value	≥ 6

APPLICATION INFORMATION

Recommended dosage

Recommended dosage: 0.05 – 1.6% by weight of cement. Exact amount depends on required concrete properties and must be determined by initial testing. Dosage may vary due to factors like temperature, sand grading, and water content and should be adjusted regularly.

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

APPLICATION INSTRUCTIONS

DISPENSING

Should be added before other admixtures like plasticizers.
Can be added with mixing water.
Premixing for at least 10 seconds is recommended before adding other admixtures.
Ensure sufficient and consistent total mixing time.
Regular air content checks are recommended.
Follow relevant standards (e.g., DIN EN 206-1, DIN 1045-2, ZTV Beton-StB 07).
Recommended concrete temperature: 5–30 °C for optimal effectiveness.

APPLICATION METHOD / TOOLS

The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components.
Fresh concrete must be cured properly and curing applied as early as possible.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use.
Hardened / cured material can only be mechanically removed.

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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