

PRODUCT DATA SHEET

Sika® Antisol®-3 E

Water-dispersed paraffin concrete curing agent

DESCRIPTION

Sika® Antisol®-3 E is a ready-to-use, spray-applied, liquid curing agent to prevent water loss from the surface of freshly placed concrete. It forms a thin film barrier on the concrete without affecting the setting action.

USES

The Product is used in large areas of exposed concrete, such as:

- Roads and highways
- Runways
- Roof decks
- Aircraft hangars
- Loading areas
- Retaining walls
- Pre-stressed structures
- Irrigation channels
- Civil engineering structures
- Industrial floor slabs

FEATURES

- Enhances the surface appearance
- Reduces plastic shrinkage and cracking
- Reduces shrinkage
- Assists in the development of the required concrete strength
- Controls cement hydration
- Reduces dust formation
- Improves freeze thaw resistance
- Alleviates other costly curing methods

CERTIFICATES AND TEST REPORTS

- Water loss per unit area, Drying time, Deleterious reaction, ASTM C309-19, Sika® Antisol®-3 E, AET, Test report No. P0009473

PRODUCT INFORMATION

Composition	Water dispersed paraffin	
Packaging	25 kg, 200 kg and IBC 1000 kg Refer to the current price list for available packaging variations.	
Appearance and colour	Liquid white emulsion	
Shelf life	12 months from date of production	
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Density	(0.975 ± 0.020) kg/lt	(EN ISO 2811-1)
pH-Value	8 to 10	(ISO 4316)

APPLICATION INFORMATION

Consumption

0.15 – 0.2 kg/m²

Consumption is dependent on wind speed, temperature and humidity during application.

Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The concrete surface must be free from surface water. Evaporation of the surface water can take from 30 minutes to 2 hours, depending on temperature and water/cement ratio.

EQUIPMENT

- Low pressure sprayer
- Motorised knapsack sprayer

Carry out a trial area with the chosen equipment before full application.

MIXING

Stir thoroughly before use to ensure full dispersion of solids.

APPLICATION

1. Spray the Product in a fine mist to completely cover the concrete surface.
2. Maintain the pressure in the spraying equipment to ensure a consistent spray. Regularly clean the spraying equipment during application to prevent the nozzle from blocking.
3. Protect the Product from rain for 2 to 3 hours after application.

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Affected adhesion of additionally applied materials

1. The cured Product will affect the adhesion of any additional adhesive, screed or coating products. Before applying additional materials, remove the Product mechanically from the concrete surface.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened material can only be removed mechanically.

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.

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