

# PRODUCT DATA SHEET

## Sika® Antisol®-90

SYNTHETIC RESIN BASED, SOLVENT CONTAINING CONCRETE CURING COMPOUND

### DESCRIPTION

Sika® Antisol®-90 is a resin based, solvent containing liquid curing compound for the prevention of premature water loss in concrete. Suitable for use in hot and tropical climatic conditions.

### USES

Sika® Antisol®-90 is applied to fresh concrete surfaces to form a fast drying, thin, flexible and tough impervious membrane which protects the concrete from rapid water evaporation during initial curing stages, thereby assisting towards obtaining maximum strength, durability and helping towards the elimination of shrinkage cracks and surface dusting.

Sika® Antisol®-90 is particularly useful in large areas of exposed concrete such as:

- Highways, runways and taxiways
- Aprons and hardstandings
- Roof decks
- Retaining walls
- Pre-stressed beams and piers
- Bridge decks, etc

### CHARACTERISTICS / ADVANTAGES

- 90% efficiency index
  - Application by hand or power-driven equipment - saves time, labour and money
  - Effective in all conditions of humidity and temperature
  - Single application, no further attention is required
  - The finish and colour of concrete are not affected once the compound has disintegrated under the influence of ultra violet light or abrasion
- Sika® Antisol®-90 provides the following beneficial properties to concrete surfaces:
- Reduces incidence of plastic cracking
  - Ensures achievement of desired strengths
  - Alleviates other costly methods such as hessian-watering, etc.
  - Reduces dusting
  - Minimises shrinkage

### APPROVALS / CERTIFICATES

Sika® Antisol®-90 follows the requirements of ASTM C 309; Type 1; Class B

### PRODUCT INFORMATION

<b>Packaging</b>	200 L drum
<b>Appearance / Colour</b>	Yellowish to light brown liquid
<b>Shelf life</b>	12 months from the date of production if stored properly
<b>Storage conditions</b>	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +45 °C. Protect from direct sunlight and frost.
<b>Density</b>	~0.87 kg/l (+25 °C)

## APPLICATION INFORMATION

### Yield

Sika® Antisol®-90 is applied at a rate of between 5.3–5.7 m<sup>2</sup> per litre, depending on wind, humidity and temperature.

## APPLICATION INSTRUCTIONS

### APPLICATION

Sika® Antisol®-90 is supplied ready to use and should not be diluted with any forms of solvent. Stir well before use. Sika® Antisol®-90 is applied in a thin even coat, using spray equipment, onto the fresh concrete immediately after the free surface water has evaporated. After application of Antisol®-90, the area must be protected from rain for at least 3 hours. Drying time is ~30 minutes (at +30 °C to +35 °C)

### IMPORTANT CONSIDERATIONS

- Regular cleaning of spray equipment, especially the nozzle is recommended
- Sika® Antisol®-90 should only be used on surfaces exposed to normal weathering which will cause the eventual disintegration of the membrane
- Disintegration of the membrane will depend on many factors such as consumption rate, UV exposure, surface absorption, etc. As a guide, this process will take approximately 5 weeks
- Where subsequent surface treatment is to be undertaken before total disintegration of the membrane, the Antisol film must be removed

### BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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.

### 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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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

#### Product Data Sheet

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April 2019, Version 01.01  
021405031000000040

SikaAntisol-90-en-AE-(04-2019)-1-1.pdf