

## PRODUCT DATA SHEET

# Sika® Antisol®-101

(formerly MKure 101)

Acrylic resin water based curing and sealing compound for concrete

### DESCRIPTION

Sika® Antisol®-101 is a solvent free non-degrading, membrane-forming liquid curing compound based on an acrylic resin emulsion suitable for spray application and freshly poured concrete.

The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. The cured concrete is typically harder and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks.

Additionally, the membrane acts as a primer system for many subsequent surface finishes that do not rely on penetration for substrate bond.

When applied to floors, Sika® Antisol®-101 seals and dustproofs the surface, eliminating the primary source of abrasion and enhancing durability.

Suitable for use in hot and tropical climatic conditions.

### USES

As a more effective and economical alternative to separate curing and priming/sealing regimes.

- Suitable for use on most concrete surfaces.
- Surfaces subject to certain finishing treatments.
- Economical enhancement of concrete flatwork.
- In high-rise construction to eliminate the requirement for water curing.

### PRODUCT INFORMATION

<b>Composition</b>	Aqueous solution of acrylic copolymer dispersion
<b>Packaging</b>	Cans and drums
<b>Shelf life</b>	12 months from date of production if stored properly
<b>Storage conditions</b>	Storage should be in dry, shaded, cool conditions. Protect from freezing and extreme heat.

### FEATURES

- Eliminates the need for water curing
- Imparts a harder dust free surface
- Does not support the growth of bacteria
- Non degrading, acts as a primer system
- Minimal delay for overcoating etc.
- Abrasion resistant floors
- High curing efficiency
- Reduced labour costs
- Reduces chloride penetration

### CERTIFICATES AND TEST REPORTS

Sika® Antisol®-101 follows the requirements of ASTM C 309; Type 1; Class B and AASHTO M-148

Appearance and colour	White liquid
Density	~1.00 kg/l (+25°C)
Volatile organic compound (VOC) content	< 10 g/l

## APPLICATION INFORMATION

Consumption	The rate of coverage depends on wind, humidity and temperature. As a general guide: 4.5 – 5.5 m <sup>2</sup> /l
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## 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.
- Internal Reference - Version: MBS\_CC-UAE/Kure\_101\_03\_17/v2/08\_17

## IMPORTANT CONSIDERATIONS

- When using Sika® Antisol®-101 for floor areas where mild chemical and wear resistance is required, it is recommended that a further coat be applied after 24 hours.
- Cementitious renders/plasters up to 10 mm thickness can be applied directly over Sika® Antisol®-101 cured surfaces providing it is ensured there is no surface laitance, dirt, oil or grease on the surface. The bond strength must be assessed for renders/plasters greater than 10 mm thickness.
- Sika® Antisol®-101 is un-degradable compound, so it is not necessary to remove it. It can be considered as a primer for another application.
- After application, protect the area from rain for at least 2 to 3 hours.
- Drying time (+25 °C) as per ASTM C309 < 3 hours
- Sika® Antisol®-101 must be stirred well before use.

## 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.

## APPLICATION INSTRUCTIONS

### APPLICATION

The compound should be spray applied as evenly as possible to the freshly placed concrete. For horizontal surfaces the Sika® Antisol®-101 should be applied as soon as the initial surface sheen has disappeared from the concrete face. In the case of formed concrete, the product should be applied immediately on removal of the formwork.

### 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 exact product data and uses.

### 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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ISO 9001, 14001, 45001 – SGS  
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 -Sika Gulf B.S.C. (c)  
 ISO 9001, 14001 – SGS  
 -Sika Saudi Arabia Limited  
 ISO 9001, 14001 – TÜV  
 -Sika MB Construction Chemicals LLC  
 -Sika Construction Chemicals for Manufacturing LLC  
 -Master Builders Solutions LLC

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 ISO 45001.



#### Product Data Sheet

Sika® Antisol®-101

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