

PRODUCT DATA SHEET

Sika® Antisol®-105 MK

(formerly MKure 105)

Acrylic resin water based curing and sealing compound for concrete

DESCRIPTION

Sika® Antisol®-105 MK is a solvent free non-degrading, membrane-forming liquid curing compound based on an acrylic resin emulsion suitable for spray application to freshly poured concrete. The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement which is 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 for many subsequent surface finishes that do not rely on penetration for substrate bond. When applied to floors, Sika® Antisol®-105 MK seals and dustproofs the surface, reducing the primary source of abrasion. Suitable to use in hot and tropical climatic conditions.

USES

Sika® Antisol®-105 MK is particularly useful in large areas of exposed concrete such as:

- Suitable for use on all concrete surfaces
- In high-rise construction to eliminate the requirement for water curing
- Highways, runways and taxiways
- Aprons and hardstandings
- Roof decks
- Retaining walls
- Pre-stressed beams and piers
- Bridge decks, etc

PRODUCT INFORMATION

Packaging	210 liter drums.
Appearance and colour	White liquid Finished film appearance: Clear tack free

FEATURES

- Eliminates the need for water curing
- Imparts a harder dust free surface
- Non degrading
- Minimal delay for overcoating
- Abrasion resistant floors
- High curing efficiency
- Alleviates other costly methods such as hessian-watering, etc
- Reduced labour costs
- Reduces chloride penetration
- Minimises shrinkage

CERTIFICATES AND TEST REPORTS

ASTM C309 Type 1 Class B

Shelf life	12 months from the date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +30°C. Mix well before using. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Density	~1.010 kg/l (+25°C)
Volatile organic compound (VOC) content	< 10 g/l

TECHNICAL INFORMATION

Water retention	Pass	(ASTM C309)
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APPLICATION INFORMATION

Consumption	The recommended rate of application is 4.5 – 5.5 m² / litre. This corresponds to that at which Sika® Antisol®-105 MK has been tested, and at which it attains the claimed degree of curing efficiency. In favourable conditions such as shaded interior surfaces, adequate curing can be achieved with extended coverage rates. When using Sika® Antisol®-105 MK for floor areas where mild chemical and wear resistance is required, it is recommended that a further coat to be applied after 24 hours.
Flash-off time	~3 h (+25°C) (ASTM C309)

SYSTEM INFORMATION

Compatibility	Cementitious renders/plasters up to 10mm thickness shall be applied directly over concreted surface treated with Sika® Antisol®-105 MK, however please ensure there is no surface laitance, dirt, oil or grease on the surface. We recommend to perform field trials to establish the required performance. For further information regarding compatibility of Sika® Antisol®-105 MK, contact your local representative or Sika Technical Department.
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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.

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®-105 MK 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 UAE LLC
- Sika Saudi Arabia Limited
- Sika MB Construction Chemicals LLC
- Sika Construction Chemicals for Manufacturing LLC
- Sika MB 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.



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