

PRODUCT DATA SHEET

Sika® Antisol®-107

(formerly MKure 107)

Water based concrete curing compound, white pigmented for solar reflectance

DESCRIPTION

Sika® Antisol®-107 is a solvent free, membrane forming wax 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, essential for optimum strength development. Membrane cured concrete is typically harder and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks.

Sika® Antisol®-107 incorporates a white pigment which at recommended coverage rates gives a daylight reflectance value of 60 - 80 %. This permits a high curing efficiency to be maintained even in conditions of intense ambient light.

Suitable for use in hot and tropical climatic conditions.

USES

Sika® Antisol®-107 is suitable for all kinds of concrete, horizontal and vertical applications and large areas of exposed concrete, such as:

- Highways
- Runways and taxiways
- Aprons and hard standings
- Roof decks
- Pre-stressed beams and piers
- Irrigation canals / channels

PRODUCT INFORMATION

Composition	Parrafin wax
Packaging	Cans and drums
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +50°C. Protect from direct sunlight and frost.

FEATURES

Sika® Antisol®-107 has the following characteristics:

- Water based
- Solar reflective
- Single application
- Reduces incidence of plastic cracking
- High curing efficiency
- Ensure achievement of desired strengths, minimize shrinkage
- Alleviates other costly methods such as Hessian – watering
- Promotes a harder dust free surface
- Considerable reduction in loss of water from concrete
- Cured film is clear and water repellent.

CERTIFICATES AND TEST REPORTS

Sika® Antisol®-107 follows the requirements of ASTM C 309; Type 2; Class A

Appearance and colour White milky liquid

Density ~0.95 kg/l (+25°C)

APPLICATION INFORMATION

Consumption ~5–6 m²/l
The rate of coverage depends on wind speed, relative humidity, temperature conditions and surface profile of the concrete.
This corresponds to that at which Sika® Antisol®-107 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.

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_107_12_94/v2/07_15

IMPORTANT CONSIDERATIONS

- Finished film is white, solar reflective, tack free and water repellent
- The time for deterioration of the membrane is dependent on a number of variables, which include film thickness, degree of exposure to weathering, traffic, UV light, and the porosity of the substrate concrete.
- It is important that the complete removal of the Sika® Antisol®-107 should be ensured prior to the application of any surface finish or additional treatment. It is recommended that where the concrete is to receive a coating or the application of tiles, the use of Sika® Antisol®-181 is considered. Sika® Antisol®-181 is a resin based non-degrading curing membrane meeting the requirements of ASTM C-309 Type 1 Class B. It is additionally formulated to act as a primer for many finishes or to seal concrete surfaces and provide a degree of abrasion to flatwork.

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

SUBSTRATE PREPARATION

It is essential to dampen down the concrete with clean water prior to application, to assist in the breakdown of the Sika® Antisol®-107 film on vertical and formed surfaces.

APPLICATION

Sika® Antisol®-107 should be spray applied as evenly as possible on to the freshly placed concrete. Stir Sika® Antisol®-107 well before use.

For horizontal surfaces Sika® Antisol®-107 should be applied as soon as the initial surface sheen has disappeared from the concrete surface. In the case of formed concrete, the Sika® Antisol®-107 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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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.



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