

## PRODUCT DATA SHEET

# Sika® Antisol®-106 WB

(formerly MKure 106WB)

Non-pigmented, Wax based membrane forming concrete curing compound

### DESCRIPTION

Sika® Antisol®-106 WB is a solvent free water based; membrane forming wax emulsion, suitable for curing newly placed or freshly deshuttered concrete, assists in the retention of water during hydration.

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.

### USES

As a more effective and economical alternative to hessian and water and polythene curing regimes. Suitable for use on all concrete surfaces.

Sika® Antisol®-106 WB is not recommended for applications where subsequent renders, toppings or coatings are to be applied or on coloured concrete surfaces.

Use Sika® Antisol®-106 WB for direct exposure to sunlight and for effective daylight reflectance.

### CHARACTERISTICS / ADVANTAGES

- Improves moisture retention in concrete
- Prevents rapid water evaporation
- Single application
- Promotes a harder dust free surface
- Reduces drying shrinkage
- Reduces the incidence of hairline cracks
- High curing efficiency
- Reduced labour costs
- Cured film is clear and water repellent

### APPROVALS / STANDARDS

ASTM C309 Type I Class A, AASHTO M-108 Type I Class A

### PRODUCT INFORMATION

<b>Packaging</b>	20 & 210 liter drum
<b>Shelf life</b>	12 months in undamaged, unopened, original sealed packaging.
<b>Storage conditions</b>	Sika® Antisol®-106 WB must be stored where temperatures do not drop below +5°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your local Sika representative.
<b>Appearance / Colour</b>	Milky white liquid

## APPLICATION INFORMATION

### Consumption

The recommended rate of application is 5-6 square metres per litre. This corresponds to that at which Sika® Antisol®-106 WB 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.

In place of the above recommendations, the rates of cover stipulated in a specification should at all times be observed.

## 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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### APPLICATION

Use Sika® Antisol®-106 WB as supplied without dilution. Stir well before use (rolling drums containing the product is an effective method).

Do not use as a bond breaker or apply over bond breaker.

The compound should be spray applied as evenly as possible to the freshly placed concrete.

On horizontal surfaces the curing efficiency of Sika® Antisol®-106 WB will be adversely affected if applied on standing bleed water as the required film will not be able to be formed. Timing of application is important so that the curing membrane is applied as soon as the surface sheen disappears but should not be delayed thereafter.

On vertical surfaces the Sika® Antisol®-106 WB should be applied immediately on removal of the formwork, i.e. at such time as the concrete is as green as possible. To assist breakdown of the Sika® Antisol®-106 WB film on vertical and formed surfaces, it is essential to dampen down the concrete with clean water prior to application.

In case if spray application is not possible, ensure to apply using short-nap roller. If bubbles appear on the surface, slow down the speed of rolling. Do not overlap. Take adequate care to prevent marring of the concrete surface.

Drying time is approximately 2 hours at 21°C with the relative humidity at 50%. Higher humidity or a lower temperature will increase the drying time. Note that the 2 hours time is for drying only; the full strength of the curing membrane will not develop for 2 – 4 days. Protect the applied surface from rain until the film has totally dried.

### Subsequent surface finishes

It is important that the complete removal of the Sika® Antisol®-106 WB 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 Antisl A4/A4 White is considered. (see separate datasheet)

### Curing/ After Treatment

Breakdown of the Sika® Antisol®-106 WB film usually commences after 30 days and takes up to 6 months for total disintegration to occur. The time for disintegration in all cases is dependent on a number of variables, such as thickness of film applied; the degree and severity of exposure to weather and traffic, and porosity of the concrete. Sika offers no guarantees that breakdown will ever be wholly complete.

### Removal

Ease of curing compound removal is directly related to the length of time the compound is left on a surface. If Sika® Antisol®-106 WB will be removed at some point, remove it as soon as curing period is complete (no longer than 28 days) for best results.

Do not use acid to remove Sika® Antisol®-106 WB. Acids will not dissolve the wax coating but will dissolve the surface of the concrete.

## CLEANING OF TOOLS

Use hot water and detergent to clean rollers and spray equipment before Sika® Antisol®-106 WB dries.

## 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.

### Sika India Pvt. Ltd.

620, Diamond Harbour Road  
Commercial Complex II  
Kolkata - 700 034  
West Bengal, India

### Contact:

Phone: +91 33 2447 2448  
Fax: +91 33 2397 8688  
info.india@in.sika.com  
www.sika.in



SikaAntisol-106WB-en-IN-(09-2024)-2-1.pdf

### Product Data Sheet

Sika® Antisol®-106 WB  
September 2024, Version 02.01  
02140500000002043