

## PRODUCT DATA SHEET

# Sika® Antisol®-106

(formerly MKure 106)

Wax emulsion curing compound / bond breaker

### DESCRIPTION

**Sika® Antisol®-106** 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.

The film can also act as a bond breaker between initial and subsequent concrete pours.

### USES

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

As a bond breaking film for the vertical face of precast bridge segments during match casting.

### FEATURES

- Eliminates the need for water.
- Single application.
- Promotes a harder dust free surface.
- Cured film is clear and water repellent.
- Reduces drying shrinkage.
- High curing efficiency.
- Reduced labour costs.
- Water based.

### CERTIFICATES AND TEST REPORTS

ASTM C309 Type 1 Class A  
AASHTO M-148 Type 1 Class A

### PRODUCT INFORMATION

<b>Packaging</b>	Sika® Antisol®-106 is available in 20 litre or 210 litre drums.
<b>Shelf life</b>	12 months when stored in an unopened container
<b>Storage conditions</b>	Store under cover, out of direct sunlight and protected from extremes of temperature.
<b>Appearance and colour</b>	White liquid Finish appearance - Clear, tack free water repellent film
<b>Density</b>	0.970 -1.000

# APPLICATION INFORMATION

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## Dispensing

### DIRECTIONS FOR USE AS A CURING COMPOUND

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

For horizontal surfaces Sika® Antisol®-106 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®-106 should be applied immediately on removal of the formwork. To assist breakdown of the Sika® Antisol®-106 film on vertical and formed surfaces, it is essential to dampen down the concrete with clean water prior to application.

### DIRECTIONS FOR USE AS A BOND BREAKER

The compound should be spray applied to form an even film covering the entire surface against which the subsequent segment will be cast. If necessary, more than one coat should be applied. The actual coverage and number of coats will be dependent on texture and porosity of the surface. The recommended application rate when used as a bond breaker is 4 square meters per litre.

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## Consumption

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

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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.

## FURTHER DOCUMENTATION

Water retention (ASTM C156) - Pass  
Drying time (ASTM C309) - Less than 4 hours

## IMPORTANT CONSIDERATIONS

### FILM BREAKER

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.

### SURFACE FINISHES

It is important that the complete removal of the Sika® Antisol®-106 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.

### SPECIFICATION CLAUSE

Where indicated, concrete shall be cured by application of Sika® Antisol®-106, membrane forming wax emulsion manufactured by Sika or similar approved, to the following specification:

Specification type:  
ASTM C309: Type 1 Class A  
AASHTO M-148

Sika® Antisol®-106 is to be applied at a coverage rate of 5 to 6 square metres per litre and strictly in accordance with the manufacturer's instructions.

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## ECOLOGY, HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation. Consult the Safety Data Sheet (SDS) for detailed information.

## 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 MANUFACTURING NIGERIA LIMITED

10, Western Industrial Avenue, Isheri  
Riverview Estate  
Lagos - Ibadan Expressway, Ogun State  
NIGERIA  
Web: [nga.sika.com](http://nga.sika.com)

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