

PRODUCT DATA SHEET

Sika® Antisol®-106 J

Wax emulsion curing compound for concrete

DESCRIPTION

Sika® Antisol®-106 J 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. Suitable for use in hot and tropical climatic conditions.

USES

- Suitable for use on all concrete surfaces
- Sika® Antisol®-106 J shall be used as a bond breaking film for the vertical face of precast bridge segments during match casting

FEATURES

Sika® Antisol®-106 J has the following characteristics:

- Economical alternative to hessian, water and polythene curing regimes.
- Single component, easy to use
- Promotes a harder dust free surface
- Cured film is clear and water repellent
- Reduces drying shrinkage
- High curing efficiency
- Reduced labour costs

CERTIFICATES AND TEST REPORTS

Sika® Antisol®-106 J follows the requirements of ASTM C 309; Type 1 Class A and AASHTO M-148 Type 1 Class A.

PRODUCT INFORMATION

Composition	Parrafin wax emulsion
Packaging	210 L drums
Colour	White liquid
Appearance and colour	Finish appearance - Clear, tack free water repellent film
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.
Density	~1.0 kg/l (+25°C)
Flash point	Not applicable

TECHNICAL INFORMATION

Concreting guidance	The standard rules of good concreting practice for production and placing must be observed when using Sika® Antisol®-106 J in concrete as a curing compound. Please refer to relevant standards. Use of Sika® Antisol®-106 J will help to reduce the risk of plastic and drying shrinkage in fresh concrete especially at high temperatures.	
Water retention	Pass	(ASTM C156)

APPLICATION INFORMATION

Consumption	The recommended rate of application is approximately 5–6 m ² per liter. This corresponds to that at which Sika® Antisol®-106 J has been tested, and at which it attains the claimed degree of curing efficiency. In favorable conditions such as shaded interior surfaces, adequate curing can be achieved with extended coverage rates. The rate of coverage can vary depending on wind speed, relative humidity, temperature conditions and surface profile of the concrete.	
Drying time	~4 Hours	(ASTM C309)

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.

IMPORTANT CONSIDERATIONS

- 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®-106 J should be ensured, prior to the application of any surface finish or additional treatment.**

Note: It is recommended that where the concrete is to receive a surface coating or the application of tiles, the use of Sika® Antisol®-181 is considered. Sika® Antisol®-181 is a resin based nondegrading 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. Please consult Sika Technical Department for further recommendation on the type of coatings that can be applied on Sika® Antisol®-181.

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

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

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
ISO 9001 – LMS
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.



Product Data Sheet

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