BUILDING TRUST

PRODUCT DATA SHEET

Sika® Antisol®-101

Acrylic resin water based curing and sealing compound for concrete

DESCRIPTION

Sika® Antisol®-101 is a solvent free non-degrading, membrane-forming liquid curing compound based on an acrylic resin emulsion suitable for spray application and freshly poured concrete.
The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; 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 system for many subsequent surface finishes that do not rely on penetration for substrate bond.
When applied to floors, Sika® Antisol®-101 seals and dustproofs the surface, eliminating the primary source of abrasion and enhancing durability.
Suitable for use in hot and tropical climatic conditions.

USES

Sika® Antisol®-101 As a more effective and economical alternative to separate curing and priming/sealing regimes.
- Suitable for use on most concrete surfaces.
- Surfaces subject to certain finishing treatments.
- Economical enhancement of concrete flatwork.

In high-rise construction to eliminate the requirement for water curing.

FEATURES

Sika® Antisol®-101
- Eliminates the need for water curing
- Imparts a harder dust free surface
- Does not support the growth of bacteria
- Non degrading, acts as a primer system
- Minimal delay for overcoating etc.
- Abrasion resistant floors
- High curing efficiency
- Reduced labour costs
- Reduces chloride penetration

CERTIFICATES AND TEST REPORTS

Sika® Antisol®-101 Sika® Antisol®-101 follows the requirements of ASTM C 309; Type 1; Class B and AASHTO M-148

PRODUCT INFORMATION

Composition	Aqueous solution of acrylic copolymer dispersion
Packaging	Sika® Antisol®-101 is available in cans and drums.
Appearance and colour	White liquid
Shelf life	12 months from date of production if stored properly.
Storage conditions	Storage should be in dry, shaded, cool conditions. Protect from freezing and extreme heat.

Density	~1.00 kg/l (+25°C)
pH-Value	7.0 – 9.0
Volatile organic compound (VOC) content	< 10 g/l

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.

IMPORTANT CONSIDERATIONS

- When using Sika® Antisol®-101 for floor areas where mild chemical and wear resistance is required, it is recommended that a further coat be applied after 24 hours.
- Cementitious renders/plasters up to 10 mm thickness can be applied directly over Sika® Antisol®-101 cured surfaces providing it is ensured there is no surface laitance, dirt, oil or grease on the surface. The bond strength must be assessed for renders/plasters greater than 10 mm thickness.
- Sika® Antisol®-101 is un-degradable compound, so it is not necessary to remove it. It can be consider as a primer for another application.
- After application, protect the area from rain for at least 2 to 3 hours.
- Drying time (+25 °C) as per ASTM C309 < 3 hours Sika® Antisol®-101 must be stirred well before use.

ECOLOGY, HEALTH AND SAFETY

Avoid contact with skin. Harmful or fatal if swallowed. Safety gloves and goggles must be worn when using Sika® Antisol®-101 Keep out of reach of children. Consult the Saftey Data Sheet (SDS) for detailed information.

APPLICATION INSTRUCTIONS

APPLICATION

The compound should be spray applied as evenly as possible to the freshly placed concrete.
For horizontal surfaces the Sika® Antisol®-101 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

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika Egypt
1st Industrial Zone (A)
Section #10, Block 13035
El Obour City, Egypt
TEL: +202 44810580
FAX: +202 44810459
egy.sika.com