

Antisol®

Concrete curing compounds

Positioning

Description

- ☒ A range of liquid application curing membranes for the protection of concrete from loss of water during the early age curing period.
- ☒ Antisol curing membranes are supplied world-wide to the construction industry.

Uses

The Antisol range of curing compounds are sprayed onto newly laid concrete surfaces and will not affect the normal setting action of the concrete. A thin film barrier is formed to slow down the rate at which water evaporates from the concrete surface during the first few crucial days of curing. This enables more water to be available for the hydration reaction of the cement particles. The concrete can then cure more efficiently to achieve maximum performance properties.

Advantages

- ☒ The use of Antisol curing compounds eliminates the need for costly and impractical curing methods such as wet hessian, polythene sheeting, continuous watering, ponding, etc.
- ☒ Antisol will assist in providing the following beneficial properties when applied to freshly placed concrete surfaces:
 - ☒ Reduction in the incidence of shrinkage cracking.
 - ☒ Improved strength and durability of the concrete.
 - ☒ Reduction in surface dusting.
 - ☒ Increased abrasion resistance.
 - ☒ Reduction in permeability of the concrete.

Tests

Antisol E Complies with AS3799 and ASTM C309

Approvals / Standards

Product Data

Packaging:

- ☒ Antisol A is available in 20 litre and 200 litre non-returnable pails.
- ☒ Antisol E is available in 20 litre non-returnable pails.

Storage:

Keep containers closed and do not expose to direct sunlight. Store between 5°C and 30°C.

Shelf Life:

- ☒ Antisol A: Twelve (12) months in unopened, original containers.
- ☒ Antisol E: Six (6) months in unopened, original containers.

Technical Data

	Antisol E	Antisol A
Chemical basis:	Paraffin wax	Acrylic resin
Carrier/solvent:	Water	Water
Density:	0.98 kg/litre	1.02 kg/litre
Overcoating:	No - difficult to remove completely. Paraffin wax residue will impair adhesion of subsequent coatings or treatments.	Yes - suitable for use with acrylic paints only. Must be completely removed before applying other treatments or coatings. Can only be removed by mechanical abrasion e.g. diamond grinding.
Application temp:	Minimum 5°C	Minimum 5°C
Coverage rate:	5 - 7 m ² /litre	5 - 7 m ² /litre

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Application Conditions

Mixing	<ul style="list-style-type: none"> ☒ Antisol curing compounds are supplied in a ready to use form and should not be diluted. ☒ Antisol E and Antisol A require stirring before use.
Application	<ul style="list-style-type: none"> ☒ Antisol should be applied with hand held spray equipment at the specified coverage rate to achieve a thin and even film. ☒ Application should proceed immediately after the desired concrete surface finish has been attained. It is important to ensure that any surface 'bleed water' has disappeared prior to application. ☒ Once Antisol has been applied, protection against further water loss will start almost immediately.
Cleaning	<ul style="list-style-type: none"> ☒ <i>Antisol E</i> Clean up with hot soapy water immediately after use. If cured use mineral solvent. ☒ <i>Antisol A</i> Clean up with cold water immediately after use. If cured use mineral solvent.
Important Notes	<ul style="list-style-type: none"> ☒ Staining of the concrete may occur if Antisol E is applied to a dry surface. Dampen concrete prior to application. ☒ Protect Antisol from rain and traffic for 3 hours after application, or until the membrane has dried. ☒ Regular cleaning of spray jets is recommended during application to prevent clogging. ☒ Early application of Antisol curing compounds to the concrete surface will help prevent shrinkage cracks from occurring by significantly reducing the amount of water evaporating from the concrete after the coating has been applied. However, curing compounds will not prevent the effects of any cracking that may occur as a result of thermal contraction, long term drying shrinkage or slab designs which restrain lateral movement. Careful attention must always be paid to the positioning of construction joints and shrinkage control joints. For further information please contact our Technical Sales Department.
Notes	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.
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.
Health & Safety Instructions	
Protective Measures	<ul style="list-style-type: none"> ☒ To avoid rare allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work. ☒ Local regulations as well as health and safety advice on packaging labels must be observed. ☒ For further information refer to the Sika Material Safety Data Sheet which is available on request. ☒ If in doubt always follow the directions given on the pack or label.
Important Notes	<ul style="list-style-type: none"> ☒ Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. ☒ Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet.
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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