BUILDING TRUST

PRODUCT DATA SHEET

Sika® Antisol® S

CURING AGENT FOR CONCRETE

DESCRIPTION

Sika® Antisol S is a ready-to-use solution which forms a micro-crystalline seal in the concrete pores reducing the evaporation rate of moisture from the concrete mix and thus assisting in the complete curing process.

USES

Sika®Antisol S is applied to fresh concrete surfaces to form impervious layer which protects the concrete from rapid water evaporation during initial curing stages.
Sika®Antisol S is particulary recommended for the treatment of vertical surfaces which will receive subsequent treatments or where resin based curing membranes would be unsuitable.
Sika®Antisol S is particularly useful in:
- Buildings.
- Manufacturing industries.

CHARACTERISTICS / ADVANTAGES

Sika®Antisol S provides the following benefical properties to concrete surfaces:
- Generally helps concrete to attain maximum hydratation, strength, durability and surface hardness.
- Improves the surfache appearance.
- Reduces shrinkage.
- Reduces dust formation.
- Reduction in permeability of concrete.
- When used properly, adhesion of subsequent treatments to concrete surface is not impaired.

PRODUCT INFORMATION

Chemical Base	Silicate Based
Packaging	210 liter drum
Appearance / Colour	Liquid and transparent.
Shelf Life	12 months from date of production if stored in unopened and undamaged original sealed containers.
Storage Conditions	Protect from moisture at temperatures between +5°C and +30°C. Protect against direct sunlight.
Density	approx. 1.10 kg/l

APPLICATION INFORMATION

Consumption	Consumption of Sika®Antisol S depends on the wind speed, temperatures and humidity during application. As a general rule a dosage of 0.14-0.20 kg/m² can be considered.

Equipment	Sika®Antisol S can be applied using the hand or an automatic spraying device on the fresh concrete surface in order to build a continuous film. For large areas the application of Sika® Antisol® E can be carried out by power driven automatic equipment. Clean all the tools and application equipment after Sika®Antisol S has been applied.

APPLICATION INSTRUCTIONS

APPLICATION

Vertical Surfaces:
After removing the formwork, dampen down the concrete thoroughly with fresh water allowing the surface water to drain off. Just then apply Sika®Antisol S (spray applications are preferred for full coverage).
Horizontal Surfaces:
Apply Sika®Antisol S immediately after trowelling when all bleed water has disappeared.
Ensure that the full surface is free of water and do not apply less than the recommended coverage.

FURTHER DOCUMENTS

- Is is recommended that Sika®Antisol S should be applied at the earliest practical application after the concrete surface is ready to receive the curing compound.
- To prevent clogging, regular cleaning of the sprays during application is recommended.
- After application it is necessary to protect from direct sunlight, severe dry wind or rain the surface applied with Sika®Antisol S for at least 2-3 hours, depending on the conditions.
- Remaining films of Sika®Antisol S have to be removed before the application of any additional screed or coating.
- Where a highly durable abrasion resistant surface is required, i.e. in severe exposure conditions, apply a further coat of Antisol S after 3 days. Subsequent surfacing systems can be applied after 7 days.

LIMITATIONS

Early application of Sika®Antisol S will help reduce plastic shrinkage cracks from occurring by reducing the amount of water evaporating. Concrete curing compounds, however, will not counter the effects of cracking that may occur as a result of long term drying shrinkage. Standard concrete practice must apply when positioning construction joints and shrinkage control joints.

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.

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.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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