

PRODUCT DATA SHEET

Sika® Antisol® S TH

CONCRETE CURING AGENT

DESCRIPTION

Sika® Antisol® S TH is a ready to use spray applied aqueous solution of metallic silicates which when applied to fresh concrete forms a microcrystalline seal in the pores reducing the moisture evaporation rate from the mix, thus assisting in the complete hydration of the cement. Adhesion of subsequent treatments to concrete surface is not impaired.

USES

Treatment of vertical surfaces which will require subsequent treatments or where resin / water based curing membranes would be unsuitable.

Exposed concrete such as:

- Buildings
- Manufacturing industries
- Hangars and loading areas
- Retaining walls
- Pre-stressed structures
- Irrigation channels
- Civil Engineering structures

PRODUCT INFORMATION

Packaging	25 L/pail 200 L/drum
Shelf life	24 months from date of production if stored properly in undamaged, original, sealed packaging
Storage conditions	Store in dry conditions, protected from direct sunlight at temperatures between +5 °C and +40 °C
Appearance and colour	Transparent or Blue (Fugitive Dye) Liquid
Density	1.120 - 1.130 kg/L @ 25 °C

FEATURES

- Generally improves the surface appearance
- Reduces cracking
- Assists reaching the required strengths
- Reduces shrinkage
- Controls cement hydration
- Reduces dust formation
- Reduced concrete permeability
- Alleviates other costly curing methods
- Adhesion of subsequent treatments to concrete surface is not impaired

CERTIFICATES AND TEST REPORTS

Tested in accordance with ASTM C 156

APPLICATION INFORMATION

Consumption

5.5 - 6.0 m² per liter

Consumption depends on wind speed, temperature and humidity during application. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

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

- It is recommended that Sika® Antisol® S TH should be applied at the earliest practical time after the concrete surface is ready to receive the curing compound.
- To prevent the nozzle from blocking, regularly clean the spraying equipment during application.
- After application protect from direct sunlight, severe dry wind or rain for at least 2–3 hours, depending on the ambient conditions.
- Remaining surface film must 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 Sika® Antisol® S TH after 3 days. Subsequent surfacing systems can be applied after 7 days.
- Early application of Sika® Antisol® S TH 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.

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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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Sika® Antisol® S TH
April 2024, Version 02.01
021405031000000151

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surface must be free from surface water. Evaporation of the surface water can take from 30 minutes to 2 hours, depending on temperature and water/cement ratio.

APPLICATION

Vertical Surfaces

After removing the formwork, dampen down the concrete thoroughly with fresh water allowing the surface water to drain off. Spray product in a fine mist to completely cover the concrete surface. Maintain the pressure in the application equipment to ensure a consistent spray.

Horizontal Surfaces

Spray product in a fine mist to completely cover the concrete surface. Maintain the pressure in the application equipment to ensure a consistent spray.

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.

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