BUILDING TRUST

PRODUCT DATA SHEET

Sika® Antisol® S

LIQUID CURING AGENT FOR CONCRETE

CE

DESCRIPTION

Sika® Antisol® S is a ready to use spray applied liquid curing agent to prevent water loss from the surface of freshly placed concrete. It forms a liquid membrane on the concrete surface, reducing the moisture evaporation from the concrete mix.

USES

Sika® Antisol® S provides durable and stable protection of fresh concrete from premature evaporation caused by the action of wind and sun, meaning that it averts the formation of surface cracks on hardened concrete. Sika® Antisol® S is especially suitable for vertical areas that will be covered with other coatings, such as:

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

CHARACTERISTICS / ADVANTAGES

- 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

APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating

PRODUCT INFORMATION

Composition	Aqueous solution of inorganic salts
Packaging	▪ 20 kg container ▪ 200 kg drum ▪ IBC
Appearance / Colour	Liquid, transparent to pale yellow
Shelf life	12 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging, at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost. Always refer to packaging.
Density	~1,1 kg/l

pH-Value	10,5 – 12,5

APPLICATION INFORMATION

Consumption	~ 180 - 200 gr/m² By spraying machine and 1 operator, approximately 1000 m² of surface can be covered in 8 hours. 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.
Ambient Air Temperature	> +5 °C
Equipment	▪ Hand type backpack or motorised sprayers Suitability of equipment should be approved before using for full application

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.

IMPORTANT CONSIDERATIONS

- It is recommended that Sika® Antisol® S 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.
- 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

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