

PRODUCT DATA SHEET

Sika® Antisol® SD

CONCRETE CURING COMPOUND

DESCRIPTION

An aqueous solution of metallic silicates which when applied to fresh concrete forms a microcrystalline seal in the pores reducing the evaporation rate of moisture from the mix, thus assisting in the complete hydration of the cement.

USES

Antisol® SD is particularly recommended for the treatment of vertical surfaces which are to receive subsequent treatments where resin based curing membranes would be unsuitable because of their uncertain film breakdown, and the effect on the performance of further surface treatments.

CHARACTERISTICS / ADVANTAGES

- Clear, non-staining, non-toxic
- Helps concrete attain maximum hydration, strength, durability and surface hardness
- Becomes an integral part of the surface which assists long term curing and gives dust proofing properties
- Non-flammable and suitable where solvent based systems are undesirable
- Shrinkage with associated hairline cracking and crazing greatly reduced in vertical and horizontal applications
- When used correctly will not prevent subsequent adhesion of concrete surface treatments and coatings
- Allows light foot traffic after 24 hours

PRODUCT INFORMATION

Composition	Sodium Silicate
Packaging	200 l / drum
Appearance / Colour	Transparence Blue Liquid
Shelf life	24 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry conditions, protected from direct sunlight at temperature between 5°C and 40°C.
Density	1.020 - 1.040 kg/l (at temperature 25 °C)
pH-Value	11.0 - 13.0 approx.

APPLICATION INFORMATION

Consumption	<p>On vertical surfaces after striking shutters always damp down concrete thoroughly with clean water then spray Antisol® SD at a rate of 5.5-6.0 sq.m/l.</p> <p>On horizontal surfaces, Antisol® SD should be applied at a rate of 5.5-6.0 sq.m/l immediately after final tamping, trowelling or floating.</p>
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APPLICATION INSTRUCTIONS

APPLICATION

The performance of any curing system is improved by its being applied as quickly as possible after the concrete has been cast (or the formwork is stripped). This applies to both Antisol Resin Membrane and Silicate curing liquid systems.

Ensure there is no "free" water on the surface at the time of spraying. Where excessive heat and a drying wind is prevalent, it is recommended that Antisol® SD be used in conjunction with a polyethylene sheet. This will aid the system during the first hour whilst silicates form. The sheet can then be transferred onto the next section to be treated, and should be in as close a contact with the concrete surface as possible, to ensure maximum efficiency. (Antisol® SD will not adhere to the polyethylene). Antisol® SD is free of chlorides.

Ensure all equipment is cleaned thoroughly by means of clean water. Avoid contact with skin, glass and paintwork, as this product is alkaline. Antisol® SD is non-hazardous in normal use, but in event of accidental spillage, wash off with copious amounts of cold water. Wear gloves and goggles.

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 Material Safety Data Sheet 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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