

Antisol®-H

Concrete Curing Compound

Product Description

Antisol® -H is a range of liquid curing compounds for preventing of premature water loss in concrete. Its efficiency index is 90%. Antisol® -H is produced in three grades:
 Antisol® -H Clear: Which provides clear film after application.
 Antisol® -H White: Which provides white film after application.
 Antisol® -H Aluminized: Which provides silver grey film after application.
 Both Antisol® -H White and Aluminized are formulated for solar reflectance in hot concreting and hot climates.
 Antisol® -H complies with the requirements of ASTM C 309.

Uses

Antisol® -H is applied to fresh concrete surfaces to form fast drying, thin flexible and tough, impervious membrane which protects the concrete from rapid water evaporation during initial curing stages, thereby assisting towards obtaining maximum strength, durability and helping towards the elimination of shrinkage cracks and surface dusting.

Antisol® -H is particularly useful in large areas of exposed concrete, such as:

- Highways
- Runways and taxiways.
- Aprons and hard standings.
- Roof decks.
- Retaining walls.
- Pre-stressed beams and piers.

Antisol® -H White and Aluminized pigmented concrete curing compound has been specifically formulated for exposed concrete where a solar reflective membrane is preferred.

Advantages

- Application by hand or a power driven unit-saves time, labour and money.
- Effective in all conditions of humidity and temperature.
- After one application, no further attention is required.
- The finish and colour of concrete is not affected once the compound has disintegrated under the influence of ultra violet light or abrasion.

Antisol® -H provides the following beneficial properties to concrete surfaces.

- Reduces incidence of plastic cracking.
- Ensures achievement of desired strengths.
- Alleviates other costly method such as hessian watering, etc...

Approval / Standard

Antisol® -H has been tested as per SCAQMD Rule 1168
 Result: VOC content is 700 g/l



Technical Data

Type	Synthetic resin – solvent based.
Colour	Antisol® -H Clear: amber liquid. Antisol® -H White: white liquid. Antisol® -H Aluminized: silver gray liquid.
Specific Gravity	0.85 to 0.95 for Antisol® -H clear and 1.00 for both Antisol® -H White or Aluminized.
Packaging	20 liter tins, 200 liter drums and 1000 liter tanks. Big orders upon request.
Storage Condition	In sealed containers in well-ventilated areas and away from naked flame.
Shelf life	Minimum two years when unopened in original containers.
Drying out time	Approximately 30 minutes at 30-35°C.

Application

Coverage Antisol® -H is applied at a rate between 6-8 m² per liter, depending on wind, humidity and temperature.

Application Method Antisol® -H products are supplied ready to use and should not be diluted with any forms of solvent. Stir well before use.
Antisol® -H is applied in a thin even coat using spray equipment to the fresh concrete immediately after the free surface water has evaporated. If used on a vertical surface, all loose pieces should be removed and repairs completed immediately after striking the shutter.
After application of Antisol® -H the area must be protected from rain for at least 3 hours.

Cleaning Clean all tools and equipments with Sika Cleaner to remove all Antisol® -H residues.

Important notes

- Regular cleaning of spray equipment especially the jets is recommended.
- Antisol® -H should only be used on surfaces exposed to normal weathering, which will cause the eventual disintegration of the membrane.
- Total disintegration of the membrane normally occurs after 5 weeks of application if the application thickness is correct.
- Where subsequent surface treatment is to be undertaken before total disintegrated of the membrane, the Antisol® -H film must be removed.
- When using Antisol® -H, do not smoke or expose a naked flame. Store and use the products only in well ventilated areas. When not use, close containers well.

Safety Information

Sika's ranges of Antisol® -H products are formulated with petroleum solvents which are flammable. When using these products, do not smoke or expose them to naked flame. Care should be taken to avoid spillage's. If a spillage does occur it can be mopped up with dry sand or earth. Avoid skin and eye contact. When spraying Antisol® -H, wear gloves, goggles and respiration mask. In the event of contamination, wash with water without delay. Store Antisol® -H away and out of reach of children.

Please consult our Safety Data Sheet for more information (available upon request).

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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