

Antisol®-90

Concrete curing compound

Construction

Product Description

Antisol®-90 is a liquid curing compound for the prevention of premature water loss in concrete. Antisol®-90 has an Efficiency Index of 90% when tested in accordance with the DoE Specification for Road and Bridge Works, clause 2709/1032.

Uses

Antisol®-90 is applied to fresh concrete surfaces to form a 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®-90 is particularly useful in large areas of exposed concrete such as:

- Highways, runways and taxiways
- Aprons and hardstandings
- Roof decks
- Retaining walls
- Pre-stressed beams and piers
- Bridge decks, etc

Characteristics / Advantages

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

Antisol®-90 provides the following beneficial properties to concrete surfaces:

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

Tests

Approval / Standards Harry Stanger, report number 735/82/4

Product Data

Form

Appearance / Colour Amber Synthetic Resin (solvent based)

Packaging 20 litre pails or 200 litre drums



Storage

Storage Conditions / Shelf Life 2 years from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight.

System Information

Application Details

Coverage Antisol®-90 is applied at a rate of between 5.0 – 5.5 m² per litre, depending on wind, humidity and temperature.

Application Instructions

Application Method / Tools Antisol®-90 is supplied ready to use and should not be diluted with any forms of solvent. Stir well before use.

Antisol®-90 is applied in a thin even coat, using spray equipment, onto the fresh concrete immediately after the free surface water has evaporated.

After application of Antisol®-90, the area must be protected from rain for at least 3 hours.

Cleaning of Tools Clean all tools and application equipment with Colma Cleaner immediately after use. Hardened and/or cured material can only be removed with solvents.

Drying Time ~ 30 minutes (at + 30°C to + 35°C)

- Notes on Application / Limitations**
- Regular cleaning of spray equipment, especially the nozzle is recommended
 - Antisol® should only be used on surfaces exposed to normal weathering which will cause the eventual disintegration of the membrane
 - Disintegration of the membrane will depend on many factors such as consumption rate, UV exposure, surface absorption, etc. As a guide, this process will take approximately 5 weeks
 - Where subsequent surface treatment is to be undertaken before total disintegration of the membrane, the Antisol film must be removed

Value Base 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.

Health and Safety Information 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 (available on request) containing physical, ecological, toxicological and other safety-related data.

Legal Notes

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