

Product Data Sheet
Edition 08.02.2007
Revision no: 0
Identification no
01 01 03 03 000 0 000050
Antisol®-EXC

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Concrete curing compounds

Product Description

Liquid curing compound for preventing water loss in concrete. Ready for use and simple to apply.

Uses

Antisol®-EXC is sprayed onto newly laid concrete surfaces to form a thin film barrier against premature water loss. Without disturbance to the normal setting action, the concrete is allowed to cure and achieve maximum properties.

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

- n Highways
- n General concrete applications that curing is necessary
- n Industrial floors
- n Roof decks
- n Retaining walls
- n Pre-stressed beams and piers
- n Irrigation canals / channels

Characteristics / Advantages

- n Reduces incidence of plastic cracking
- n Ensure achievement of desired strengths
- n Minimises shrinkage
- n Reduces dusting
- n Increases frost resistance
- n Alleviates other costly methods such as hessian-watering

Tests

Standards

Complies with ASTM C 309-81

Construction



Product Data

Form

Appearance / Colours White liquid

Packaging 25 kg pails
200 kg drums

Storage

Storage Conditions / Shelf-Life 6 months from date of production if stored properly in undamaged and unopened, original sealed containers at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Technical Data

Chemical Base Parafin wax emulsion

Density 0.96 ± 0.02 kg/l

Application Temperature Minimum +5°C

System Information

Application Details

Consumption / Dosage The consumption depends on wind, humidity and temperature.
As a general guide: 0.15 - 0.20 kg/m²

Application Method/ Tools Antisol[®]-EXC is ready to use so it shouldn't be dilute with water. Stir the Antisol[®]-EXC well before use!

Antisol[®]-EXC curing membrane has been designed that it can be applied to the whole surface as a thin film layer with hand or motor operated spray gun to the newly laid concrete.

Apply with low pressure spray equipment preventing Antisol[®]-EXC from being collected at the surface.

Suitable spray equipment must be determined with trials.

For large areas and concrete "trains", application can be carried out by power driven automatic equipment.

Antisol[®]-EXC should be protected from rain and traffic for at least three (3) hours after application, or until the membrane has completely dried.

Surface conditions

Horizontal application should be proceed immediately after the desired concrete surface finish has been attained, ensuring all surface bleed water has disappeared before hand (between ½ to 2 hours depending on temperature etc). Vertical surface applications must be made right after demoulding.

If in doubt apply a test area first.

Notes on Application / Limitations

Antisol[®]-EXC should not be overcoated with other coatings or treatments. Remaining films have to be removed prior to application of any screed or coating. Antisol[®]-EXC can be removed brushing or spraying hot water to the surface.

Application of Antisol[®]-EXC will help prevent plastic shrinkage cracks from occurring by reducing the amount of water evaporating. Concrete curing compound, 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 joint.

Cleaning of Tools

Clean all tools and application equipment with hot water after use. Hardened material can only be removed with solvents.

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.

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.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notes

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