

NOVACURE AL

Aluminium Resin-based Concrete Curing Compound

Description

Novacure AL is an aluminised resin-based, liquid membrane curing compound for the prevention of premature water loss from concrete. It is in ready to use form and simple to apply. It has aluminium flakes for reflection of heat and thus providing extra cover for prevention of water loss.

Uses

Novacure AL is sprayed on to newly laid concrete surfaces to form a thin film barrier against premature water loss. Without disturbance to the normal setting action the concrete is then allowed to cure and achieve maximum properties.

Novacure AL is particularly useful in large areas of exposed concrete such as:

- ✓ Highways
- ✓ Runways and Taxiways
- ✓ Aprons and Hard standings
- ✓ Roof decks
- ✓ Retaining walls
- ✓ Canals
- ✓ Bridgeworks, etc.

Advantages

- ✓ Provides durable concrete
- ✓ Ensures maximum strength
- ✓ Reduces surface cracking and shrinkage
- ✓ Provides a dust-free surface
- ✓ Once sprayed as per the specification, ensures perfect curing of concrete
- ✓ Control of moisture loss improves the surface quality of concrete
- ✓ Replaces labour intensive curing methods such as wet-Hessian, watering, etc.

Standards Compliance

Novacure AL complies with ASTM C309-90 and BS 7542.

Technical Properties

Chemical Base	Aluminised Resin-based liquid
Colour	Metallic Aluminium
Density @ 30°C	0.84 kg to 0.87 kg/kg
Drying time @ 25°C	~ 45 to 60 minutes
Water Solubility	Negligible
Odour	Slight

Application Instructions

1. **Novacure AL** should be stirred well before use to ensure even dispersion of the same.
2. Application should begin as soon as the concrete is free from surface water.
3. **Novacure AL** should not be applied if there is bleeding in concrete.
4. A thin layer of **Novacure AL** must be applied to the whole surface using a hand operated low pressure spray gun.
5. For larger areas, application can be done by power driven automatic equipment.
6. The concrete surface should not be disturbed until it has achieved sufficient strength.
7. In the case of hardened concrete, i.e., after de-molding of form work, the surface of concrete should be sprayed with water to saturate it prior to the application of **Novacure AL**.

Cleaning

Clean all tools and equipment immediately after use with Mineral Turpentine Oil or Petrol.

Coverage

5 m² to 6.5 m²/kg depending on wind, humidity and temperature conditions.

Packaging

Novacure AL is supplied in 200 kg HDPE barrels.

Shelf life & Storage

12 months from the date of manufacturing when stored properly in unopened original packaging. Keep in cool and dry place away from direct sunlight. Protect from frost.

Safety

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

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