Mapula
CHEMICALS PVT LTD
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MAP CURA AL

Aluminised Resin Based Concrete Curing Compound

Description:
MAP CURA AL is Aluminised Resin Based Concrete Curing Compound and is continuous film forming agent covering the entire surface drying to a silver film on application.

Technical Properties:
- Form : Silver Liquid
- Specific Gravity: 0.89 ± 0.03
- Thinning: Not Required
- Coverage Rate:
  - Min. 4 Sqm/ltr (Wooden Floated Surface)
  - Min 6 Sqm/ltr (Steel Trowel Surface)
- Standard Compliances: Tested with BS 7542 - 1992 for curing efficiency
- Drying Time: Approximately 1 Hour at 30°C

Advantages:
- Improved curing of concrete
- Enhances cement hydration and provides a more durable concrete, which helps in limiting early age cracking and drying shrinkage
- It controls the moisture loss which helps in improving surface quality and reducing permeability
- Light reflecting particles minimises the solar temperature gain
- Ready to use spray application reduces labor costs
- Initial white coating helps in identify the applied areas

Packaging:
- 200 Ltr Barrel

Fire:
- MAP CURA AL is flammable. Do not expose to naked flames or other sources of ignition.

Guideline Followed:
- ASTM C309-81 (Class B)and BS 7542

Shelf Life:
When stored in unopened container in the normal average country temperatures, a shelf life of the material is approximately 06 months

Domains of Application:
- Protection of concrete/mortar sensitive to Drying effects at early age (high ambient temp, wind)
- Protection of concrete used for large area concrete surface such as roads, highways and slabs
- Precast and pavement concrete
- Trowel finishing

Methodology:
Dosage: The Coverage rate is between 4.00 to 6.00 Sqm/ltr (0.167 to 0.250 ltr/Sqm). Coverage rates outside this recommended range may be used if necessary and suitable to meet specific requirements. Contact Mapula's representative in such cases.
Method of use: MAP CURA AL should be stirred WITHOUT FAIL before use to ensure dispersion of settled material. MAP CURA AL should be applied using spray equipment producing find mist immediately after concrete is free from surface water. Compatibility of the spraying equipment should be ensured by an application trial. Do not apply if the bleed water is forming or present on the application surface. Spray the curing agent from 450 mm distance. Use cross pass technique to ensure complete coverage. Maintain pump pressure for even and fine spraying. Spray equipment should be cleaned immediately after use by flushing thoroughly with clean water or cleaning agent.

Precautions:
Should be stored in controlled temperature. Exposure to the direct sunlight and/or high temperature for prolonged period should be avoided. Should be protected from the frost

Safety:
- It should not be swallowed or allowed to come into contact with skin and eyes. Avoid inhalation of vapours and ensure adequate ventilation
- Some people are sensitive to resins and solvents. Resin Barrier. creams provide additional skin protection
- It is recommended to follow the safety majors instructed by the safety experts of the industry
- Wearing Goggles, rubber gloves and long sleeves is always advisable while handling or applying the product
- Read warning notes on the product packaging carefully, and refer to product material safety datasheet prior to use

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