Mapula
CHEMICALS PVT LTD
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MAP CURA ACW

Acrylic/Water Based Concrete Curing Compound

Description:
MAP CURA ACW is a white pigmented low viscous synthetic wax emulsion based concrete curing compound. On drying, it forms a non-penetrating membrane, which allows the concrete to retain sufficient water for prime curing.

Technical Properties:
- Form : White Liquid
- Specific Gravity: 1 to 1.015 (± 0.03)
- pH: ≥6
- Minimum Application Temp.: 10°C
- Coverage Rate: 100 to 180 g/m^2
- 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, and hence lowering the loss of moisture from concrete
- Ready to use spray application reduces labor costs
- Easy and safe spray application: Non-toxic and nonflammable.

Packaging:
- 200 Ltr Barrel

Fire:
- MAP CURA ACW is water based and non flammable.

Guideline Followed:
- ASTM C-1315, Type-1 Class A and ASTM C-309 Type 1

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 0.010 to 0.018 m^2/g (100 - 180 g/m^2). 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 ACW 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
- 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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