

mart-CRETE CURE ACRYLIC

WATER BASED ACRYLIC EMULSION CONCRETE CURING COMPOUND

DESCRIPTION

mart-Crete Cure Acrylic is a water-based acrylic emulsion curing compound specifically formulated for application on freshly placed concrete surfaces. Upon application, it forms a continuous, moisture-retentive membrane that significantly reduces the evaporation of water from the concrete, thereby promoting proper hydration. This controlled curing process enhances the overall durability, strength development, and surface integrity of the concrete. By minimizing early-age moisture loss, **mart-Crete Cure Acrylic** helps reduce the risk of plastic shrinkage cracking and supports long-term performance. It is an effective solution for improving the service life of concrete structures by ensuring optimal curing conditions during the critical early stages.

CHARACTERISTICS/ADVANTAGES

- Easy to apply, single-component formulation.
- Can be applied by spray or roller.
- Low odor.
- Meets Low VOC requirements.
- Non-Yellowing.
- Dries to a clear finish.
- Reduces plastic shrinkage.
- Can be sprayed on ground (soil/earth) to prevent absorption of water at the interface of the ground level.
- Compatible with most subsequent concrete surface treatments.
- Promotes better adhesion on subsequent plaster or coatings.
- Suitable for use in potable water reservoirs.

TYPICAL USES

- Concrete roads and bridges.
- Airport Runways.
- Canal linings.
- Sloping concrete roofs.
- Textured surfaces.
- Concrete paving.
- Vertical surfaces such as walls and columns, underground foundations.
- Areas where traditional wet curing methods are impractical.



mart-CRETE CURE ACRYLIC

WATER BASED ACRYLIC EMULSION CONCRETE CURING COMPOUND

APPLICATION PROCEDURE

- Shake container thoroughly before use
- Apply **mart-Crete Cure Acrylic** uniformly at the recommended coverage rate of 8-10m² per litre using an industrial sprayer or roller. When harsher curing conditions are expected, a coverage of 5m² per litre is recommended.
- More than one coat may be applied when harsher curing conditions are expected.
- Apply as soon as surface water (bleed water) has evaporated from fresh concrete. Do **not** apply while bleed water is present.
- Proper application techniques is essential, complete coverage of concrete surfaces is crucial, as even tiny pinholes in the film can increase moisture loss from the concrete
- Protect the applied film from rain for at least 3 hours after application
- In case of formed concrete, **mart-Crete Cure Acrylic** should be applied immediately after de-shuttering.

CLEANING AND STORAGE

- Clean tools and equipment with water immediately after use.
- Store in a cool dry place.
- 24-month Shelf life if kept in the original packaging.

PACKAGING

mart-Crete Cure Acrylic available in **25 L, 200 L, and 1000 L** containers.

HEALTH AND SAFETY

- Consult the **Material Safety Data Sheet (MSDS)** before use.
- Provide adequate ventilation.
- Wear protective clothing.
- In case of eye contact, rinse thoroughly with water and seek medical advice.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Colour:	Clear, Slightly Viscous Liquid
Physical State:	Liquid
Flashpoint:	None Finished Film
Chloride Content	None
Toxicity	None
Specific Gravity	> 1 At 20°C
Shelf life	24-month Shelf life if kept in the original unopened packaging.

Disclaimer: The information contained in this document is given to the best of Mart Solutions' knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving Mart Solutions' liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Mart Solutions specialists are at the disposal of the users in order to help them with any problems encountered.