

PADRAPAT PARS

Products for Concrete Placing



PADRA-Cure MFC-105

Membrane formation water soluble curing compound

DESCRIPTION

PADRA-CURE MFC-105 is water based, solvent free, and membrane forming wax emulsion curing compound. PADRA-CURE MFC-105 is a liquid curing compound for preventing water loss in fresh concrete and mortar through film formation.

USES

PADRA-CURE MFC-105 is a more effective and economical alternative for normal curing methods, such as water spraying, polyethylene sheets, and wet covers.

PADRA-CURE MFC-105 is used mainly for structural concrete surfaces where subsequent surface treatment will be required. The resultant formed film retains sufficient moisture in the concrete to ensure full hydration of the cementations materials. Membrane cured concrete is typically harder and exhibits a dust free surface with a reduced incidence of plastic and drying shrinkage cracks.

PADRA-CURE MFC-105 is particularly used in areas of exposed concrete such as:

- Highways and pavements
- Runways and taxiways
- Roof and bridge decks
- Repair areas
- Retaining walls
- In-shore and off-shore structures
- Pre-stressed structures
- Irrigation canals and channels

ADVANTAGES

The main advantages of PADRA-CURE MFC-105 are as follows:

- Retaining sufficient moisture in concrete, continuously, for complete hydration
- Environment friend
- Easy to use
- Eliminating plastic shrinkage cracks
- Suitable for use on all concrete surfaces
- High curing efficiency
- Reducing labors costs
- Improving abrasion resistance of cured concrete surfaces
- Non-toxic, can be used in contact with fresh water

TECHNICAL INFORMATION

Color	Light blue
Appearance	Viscous liquid
Density	1.210 kg/l
Tack free	After 20 minutes
Chloride content	Non
Working temperature	Up to +70 °C



PADRA-Cure MFC-105

HOW TO USE

Surface conditions	PADRA-CURE MFC-105 must be applied on the newly laid concrete before the surface dried. The optimum time of applying PADRA-CURE MFC-105 is when the surface water of newly laid concrete evaporated and shining of concrete surface demolished. For formed concrete, apply PADRA-CURE MFC-105 immediately after formwork removing. Hint: If concrete surface dried due to rapid evaporation, it is strongly recommended to wet surface before applying PADRA-CURE MFC-105.
Application method	A thin film of PADRA-CURE MFC-105 is applied to the whole surface using a hand or motor operated spray gun. PADRA-CURE MFC-105 has been designed for the spray application. It can be diluted with fresh water up to 15%, If needed. For windy regions, it is recommended to apply at least two layer of curing compound in 20 minutes.
Application limits	After application the treated area must be protected from rain for at least 1-2 hours.
Cleaning	All working tools can be cleaned with water while material is still fresh. Hardened material can only be removed mechanically.

Coverage

The recommended rate of application of PADRA-CURE MFC-105 is 6–8 square meters per liter. For shaded exterior surfaces, coverage can be extended up to 10 square meters per liter.

Storage / Shelf life

Store out of direct sunlight, and protected from freezing. The shelf life for originally unopened package is 24 months from date of production.

Packaging

PADRA-CURE MFC-105 is available in 25 kg pails and 250 kg drums.

Safety precautions

Although the product is non-toxic and non-hazardous, in generally, it is recommended to protect skin and eyes from contact with curing compound. Wear gloves and goggles. In contact with eyes or mucous membrane, flush immediately with plenty of warm water and seek medical attention without delay.

