

# CIKOtard VP



## Polymer based concrete evaporation retardant compound

### Description

CIKOtard VP is a polymer based liquid compound that retards the moisture evaporation from freshly placed concrete surface. CIKOtard VP is eco-friendly and provides a stain free and flawless sealing properties by the formation of a thin continuous layer to temporary prevent loss of water vapour from the concrete.

CIKOtard VP is a blend of special grade of high concentrated monomolecular polymer with other additives in perfect proportions to attain all the properties required for an ideal concrete evaporation retarder compound.

### Properties

- Single component system and easy to apply over fresh concrete.
- Eco-friendly: water based with negligible VOC content.
- Non-flammable and non-toxic.
- Forms stable film on the surface to hold surface moisture on concrete floors, slabs and repair material.
- Non-staining
- Helps in preventing plastic shrinkage cracking.
- Helps eliminating crusting caused by loss of surface moisture.
- Considerable reduction in loss of water from concrete.
- Will not affect the bonding of concrete curing agent or any other type of subsequent coating.

### Application area

CIKOtard VP is a high quality water evaporation retarder which can be used for interior or exterior applications.

- Suitable for all kinds of concrete floors.
- Horizontal, vertical and overhead concrete repair material.
- Dry shake surface hardeners and stamped concrete toppings.

### Physical properties

Form	Liquid
Colour	Pinkish
VOC	<10g/l
Specific gravity@ 25 <sup>0</sup> C	1.00-1.05 kg/L
Toxicity	Non – Toxic

### Coverage

It is recommended to dilute CIKOtard VP with clean water at a ratio of 1:9 respectively.

Accordingly 1 liter of CIKOtard VP yields 10 litres of sprayable material which will cover 60 to 100 m<sup>2</sup>.

### Application instructions

#### Surface Preparation:

CIKOtard VP is applied directly over fresh concrete or cement based materials. No surface preparation is required.

#### Mixing & dilution

Stir CIKOtard VP properly prior to the dilution process. Dilute 9:1 (9 liter of water: 1 liter CIKOtard VP) and mix properly to have a homogeneous mix.

#### Application method

CIKOtard VP may be applied by spray machine such as knapsack sprayer or motorized sprayers to produce fine mist without damaging the emulsion.

Application of CIKOtard VP should commence immediately after bull floating. In extreme dry conditions such as high dry wind velocity, low relative humidity and high concrete and ambient temperature, it is recommended to do additional application. When used on floors with dry shake surface hardeners, it shall be applied on the fresh concrete and between each dry shake application.

While spraying CIKOtard VP, maintain a distance from the nuzzle to the concrete surface approximately 300 to 400 mm and pass in both direction to ensure complete coverage.

### **Packaging**

CIKOTard VP is available in 5, 20 L pails and 200 L drums.

### **Shelf life**

CIKOTard VP has a shelf life of 12 months in un- opened packs and if stored in accordance with CIKO instructions.

### **Storage**

CIKOTard VP should be stored under enclosed shaded area at temperatures between 5 – 35°C.

### **Health & safety**

CIKOTard VP should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

### **Technical Support**

For further technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

### **More from CIKO Middle East**

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- *Concrete admixtures and additives*
- *Waterproofing and damp proof coatings*
  
- *Surface treatments*
- *Flooring and toppings*
- *Grouts and anchors*
- *Tile adhesives and grout*
- *Concrete repair materials*
- *Adhesives and bonding agent*
- *Protective coating*
- *Joint Sealants and Moulding compounds*
- *Ancillaries*