

SUPPORTING PRODUCTS

Darakote® 100 WX

Concrete curing membrane

Description

Darakote® 100 WX is, white, wax in water-emulsion based curing membrane used to protect fresh concrete surfaces from the undesirable effects associated with too rapid evaporation of surface moisture.

This protection is achieved by spraying Darakote® 100 WX onto the fresh concrete surface which rapidly forms an impermeable skin of wax over the surface.

Darakote® 100 WX is supplied ready for use and should not be diluted with water or solvent.

Advantages

- Provides a labour saving method of ensuring all fresh concrete is cured properly, without the use of “ponding” techniques, or the continuous wetting of hessian stretched over the concrete surface.
- Ingredients remain in suspension and no special peruse agitation is required.
- A single application only is required.
- When used as recommended, Darakote® 100 WX will not damage concrete or impair its properties in any way.
- Spillages can be hosed away with water.
- Contains no flammable solvent and does not constitute any fire hazard
- No special precautions are required for storage away from sources of ignition.
- No solvent vapour or noxious fumes are given off, and it can, therefore, be used indoors or in enclosed areas without provision for ventilation.
- Is miscible with water and no solvent is required to clean spray equipment, provided the membrane is not allowed to completely harden on the equipment.

Consumption

App. 4 - 5 m² per litre could be used in general. The consumption depends on the environment conditions such as humidity, wind and temperature.

In certain circumstances, adequate curing can be achieved with an extended coverage rate. However, it is essential not to apply the coating too thinly.

Method Of Use

Ideally it should be sprayed onto the concrete surface as soon as the formwork is removed or alternatively as soon as the free surface water has disappeared from the horizontal surfaces. Darakote® 100 WX should not be sprayed onto surface dry concrete.

Where the concrete has lost some of its greenness” it is essential to dampen the surface with water. However, Darakote® 100 WX should not be sprayed onto concrete which has obvious free water standing on it. Darakote® 100 WX deposits a wax based film onto the concrete. This film will degrade mechanically by abrasion from foot and road traffic.

However, it will not degrade by natural weathering. On vertical surfaces the membrane will remain and will interfere with any subsequent surface treatment, unless deliberately removed.

It is recommended that the product should not be overcoated with other coatings or treatments. Darakote® 100 WX can be removed brushing or spraying hot water to the surface.



It is recommended that equipments used for application are cleaned immediately with water following any period of spraying. Any delay in cleaning will necessitate the use of solvent to clean equipment. Particular attention should be paid to the thorough cleaning of the spray jets and moving parts of the equipment.

Storage

Darakote® 100 WX should be stored above +5°C and protected from frost, otherwise permanent damage may occur. In common with most emulsions, if Darakote® 100 WX is allowed to freeze the damage is irreversible and the product cannot be reconstituted.

If stored shaded storage area, above +5 °C and protected from extremes of cold, heat and direct sunlight, the shelf life is 12 months

Health and Safety

For further information we recommend that you consult Grace Construction Products or please refer to MSDS.

Packaging

It is available in bulk, 1000 lt plastic containers, 200 lt non returnable drums and 20 lt pails.

Base:	Parrafin Wax
Form:	Liquid emulsion
Appearance, Colour:	White
Density (@ 20°C):	0. 98 ± 0.02 g/cm ³ (TS 781 ISO 758)
pH (@ 20°C):	Unnecessary
Homogeneity	Homogeneous
Storage:	Keep well closed in original and unopened package at temperatures above +5°C and protect from frost and direct sunlight and excessive heat. Frozen products can not be used anymore.
Recommended Dosage:	0,50 lt/m ²
Physiological Effect:	Please refer to MSDS and consult Grace Construction Chemicals
Shelf-life:	App. 12 months from date of production if stored properly in original and unopened package (drums, containers)

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