

MasterKure 82WB

Non-solvent curing compound based on aqueous wax emulsion



Material Description

MasterKure[®] 82WB is a non-solvent, non-flammable and non-toxic curing product for concrete and mortars. It can be applied to freshly poured concrete immediately after smoothing and finishing.

Description of Product

MasterKure[®] 82WB is used to protect concrete and mortars from drying out by evaporation.

- Self-levelling concrete
- Fluid cement-based screed
- Other types of concrete or mortar sensitive to rapid evaporation, poured horizontally and vertically: roads, beams, slabs, precast elements.

Test / Certificates

MasterKure[®] 82WB meets the French standard NF-P-18-370.

Characteristics and Benefits

The specific formulation of MasterKure[®] 82WB is optimized for application by spraying on fresh concrete / mortars. The product can also be used after traditional finishes e. g. floating, troweling etc. MasterKure[®] 82WB has the following advantages:

- Forms a white film on application which gradually disappears allowing control of the uniformity of application.
- Reduces the risk of shrinkage cracks due to excellent water retention.
- Protects the surface of the fresh concrete & mortar from the sun and draught.
- Imparts a harder dust free surface.
- Aqueous product for indoor application.
- Low emission formulation without solvents.
- Almost odorless when sprayed.
- Easy and economical application.
- Reduces labour costs.

- Curing efficiency at 6h = 90%
- Curing efficiency at 24h = 85%

Coverage

The recommended rate of application is approximately 3 - 7 m² per litre (150 - 300 g/m²) for horizontal surfaces. For application on vertical surfaces, 70 – 80 g/m² are possible without draining.

Application Procedure

Up to 4 kg of water per square meter per hour can evaporate from unprotected concrete surfaces under unfavourable conditions, such as low humidity, solar radiation, high temperatures, all of these are magnified by strong air movement across the poured surface.

This would lead to cracking of the concrete surface structure (whilst still in the plastic state), therefore promoting plastic shrinkage and would also destroy the concrete surface by desiccation of the uncured cement and aggregates to a depth of approximately 20 mm.

The quality of the surface layers (of cement-based systems) in terms of tensile strength and density will be significantly enhanced by the application of an effective curing treatment. Since the curing membrane is not a polished hard wax layer, it is likely to bind dust and dirt from the environment

Even careful application may result in variations in colour on the dry concrete surface. The main reasons are different application quantities and a different time of application (concrete age and hydration).

We recommend that the application be made at ambient temperatures of greater than + 5°C, and is performed with a suitable spraying device (e.g. a purpose built mould oil sprayer with flat-spray nozzle of 110°). The curing membrane should be applied after the initial water film on the concrete surface has disappeared.

During handling of the containers, and filling of the spraying device, excessive agitation giving rise to foaming should be avoided as much as possible. Any foam produced can clog the



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nozzles of sprayers especially during pressurisation, the sprayer and nozzles should be thoroughly cleaned regularly.

Cleaning

Clean spray tools and devices with warm water immediately after use. Take care of nozzles and moving parts of sprayers. After the curing period, MasterKure 82WB should be removed from the concrete by using a high-pressure waterjet with an alkaline degreaser.

Packaging

MasterKure[®] 82WB is supplied in 15L cans.

Storage

Store under cool and dry conditions and protect from freezing and contamination. Product temperatures over 30 °C may accelerate separation of the dispersion.

Stir carefully before use and avoid foaming. If stored in original sealed containers at 20° C MasterKure[®] 82WB is durable for at least 12 months.

Handling and Transportation

MasterKure[®] 82WB is not a hazardous substance according to the guideline 88/379/EC. No disadvantages of the product have become known, if it is used properly. In the case of accidents, remove soiled clothing. If the product gets in contact with skin or mucous membrane, wash with plenty of water. Do not eat, drink or smoke during the application. Protection gloves and glasses are recommended. For details please observe the Material Safety Data Sheet. Requirements of safety data sheet shall be observed.

Contact Details

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Product Data	
Appearance:	Milky white liquid
Specific gravity @ 20°C:	0.98 g/cm ³
Basis:	Emulsion of paraffin wax
Application temperature	From +5.0oC
Water retention factor*	90% at 6 hours, 85% - after 24 hours



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NF-P-18-370

Marque NF
 cf. Rp NF 085

*RVS 11.064 Part 2 Pkt.2.4.2 and 2.5 at 200 g/m ²	
Logistics	
Shelf life:	12 months if stored according to manufacturer's instructions in unopened container.
Storage conditions:	Store in original sealed containers and at temperatures between 5°C and 30°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Handling and transportation:	Refer to MasterKure 82WB Safety Data Sheet
Disposal:	Refer to MasterKure 82WB Safety Data Sheet

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Disclaimer

MasterKure 82WB, Master Builders Solutions UK Ltd, Version 2

Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"Master Builders Solutions UK Ltd" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.

