

MasterKure III WB

Temporary evaporation protection for fresh mortar and concrete surfaces

Area of Application

MasterKure III WB supports the production of high-quality concrete surfaces and minimizes the evaporation of moisture from fresh mortar and concrete surfaces. The product is particularly effective in protecting surfaces from drying out quickly in extreme conditions, such as high concrete or environmental temperatures, low ambient humidity, strong draft, or exposure to direct sunlight. MasterKure III WB also acts as an effective smoothing/troweling aid for the floating and power-troweling of the concrete later on as well as in the treatment of precast concrete elements. For the production of industrial floors, MasterKure III WB is recommended as an intermediate-curing compound. In such cases, MasterKure III WB is applied immediately after installation and screeding, or dappling, of the concrete onto the wet/shiny surface. The formation of a thin damp-proof layer impedes drying-out of the concrete in the interim before (final) curing and during the critical initial hours prior to floating or troweling. Some key advantages:

- barrier effect of up to 80% during those initial, particularly critical hours
- reduces water-loss in the interim before (final) curing
- impedes formation of drying-shrinkage cracks and "elephant skin"

Properties

After application on the fresh concrete, MasterKure III WB forms a thin layer on the water surface. Reducing surface-moisture evaporation in windy and direct-sunlight conditions, this can significantly improve the stability, abrasion-resistance and durability of the concrete surface. Application of MasterKure III WB can significantly reduce crack formation as a result of plastic shrinkage. Surfaces treated with MasterKure III WB are easier to smooth/trowel because of their prolonged plasticity.

Dosage

Coverage when used as an intermediate-curing compound for industrial floors: Generally, in industrial-floor construction:

MasterKure III WB is used undiluted or diluted with water up to a ratio of 1:1, with applied quantities in the 150 to 200 g/m² range. In individual cases – dependent on environmental conditions (e.g. cool weather, no direct sunlight, high relative humidity) – dilutions of 1:1 up to 1:3 may be possible.

Coverage when used as a smoothing/troweling aid for industrial floors or precast concrete elements:

MasterKure III WB is an active-agent concentrate. Dependent on the area of application, we recommend diluting 1 kg of the product with 3 to 9 parts water, such that the resulting dilution is sufficient for the smoothing/troweling of 5 to 12 m² of concrete surface.

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Application

MasterKure III WB does not replace the necessary subsequent curing of the concrete by covering with plastic sheeting or using highly evaporation-inhibiting curing compounds such as MasterKure 216 WB. Following floating or power-troweling of the concrete surface, industrial flooring, too, requires appropriate final curing of the concrete floor. MasterKure III WB is not recommended for application on concrete surfaces that show strong water segregation.

Storage

Protect from frost and contamination. In normal storage conditions, minimum shelf life is 12 months. Frost impact renders the material unusable. Observe the statutory provisions on the storing, bottling and handling of water-polluting substances.

Packaging

Supplied in 1,000 kg containers, 200 kg drums and 20 kg cans.

Product Data	
Raw Material Basis	Emulsion
Appearance and Colour	bright yellow liquid
Density (at 20 °C)	0,99 ± 0,02 g/cm ³
pH Value (at 20 °C)	7,3 ± 0,5

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Legal Note

The information in this data sheet has been compiled to our best knowl-edge and represents the current state of our know-how and experience. The information is solely meant to provide a description of the product and in no way implies any warranties as to product properties or durability.

It remains the responsibility of the applicator to perform their own tests and analyses to ascertain the suitability of our products for application in their particular area of business. This technical data sheet supersedes all previous editions.