

# MasterKure 181

## Resin based evaporation reducer for concrete surfaces

### DESCRIPTION

MasterKure 181 is a resin based evaporation reducer which is applied on freshly poured concrete to enable optimum strength by holding water inside the concrete with its film layer and reducing shrinkage by preventing rapid drying.

- Local color differences may occur as a result of heterogeneous application. These differences will vanish through the days.
- MasterKure 181 contains solvent. It is hazardous to go near to storage and application areas should be ventilated.

### FIELDS OF APPLICATION

- While curing vertical and horizontal structural elements
- High-rise concrete buildings for which water curing is hard.
- Airport and field concrete
- Channel and chute concrete
- Concrete pouring where humidity is low, evaporation and air flow is high.
- Surface hardening applications
- Surface to be coated with epoxy flooring

### FEATURES and BENEFITS

- A more efficient and economical method compared to similar cure methods like sack, burlap and irrigation.
- Forms a semi-dull surface
- Reduces shrinkage cracks caused by rapid drying.
- Enables a harder and smooth surface.
- When applied in fresh concrete, it doesn't leave layers, strip off from surface or cause dusting.
- Enables perfect consistency with epoxy and polyurethane based coatings.
- Enables better curing compared to paraffin based cures.
- Easy to apply, reduces labor costs.

### APPLICATION PROCEDURE

MasterKure 181 should be applied by homogenous spraying or by rolls on freshly poured concrete. MasterKure 181 is applied on surface finished surfaces of field, road and slab concretes and surfaces of concrete placed in molds after demolding.

- MasterKure 181 is suggested to spray on concrete surface to obtain a uniform structure.
- MasterKure 181 should be applied as a thin layer with a roll. Forming of congestion has

to be prevented by a balanced application of the material.

### COVERAGE

MasterKure 181 recommended coverage is 0.15-0.17 kg/m<sup>2</sup> In open air and windy environments, MasterKure 181's coverage can be increased 0,30 kg/m<sup>2</sup> for effective curing. Coverage is reduced in inner surfaces under shadow. Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd.Şti Technical Service should be consulted for detailed information.

### CLEANING

Spraying devices and/or rolls used in the application should be cleaned by warm water. If the spray nozzle will be used again, then it is suggested to be left in water.

### PACKAGING

MasterKure 181 is available in 165 kg barrels.

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Product Data	
Structure of the Material	Resin Based
Appearance	Clear liquid
Specific gravity @ 20°C	0.82 kg/l
Finished Film Appearance	Opaque layer
Drying Time ASTM C 309	45 minutes
Flash Point	+88 °C
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 181 Safety Data Sheet.
Disposal	Refer to MasterKure 181 Safety Data Sheet.

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### 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 vapor 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 Yapı Kimyasalları Sanayi ve Ticaret Ltd.Şti." (the Company) endeavors 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.

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**MasterKure 181** Technical Data Sheet -Revision  
Date: 10/2020