

# MasterKure<sup>®</sup> 220 WB

Acrylic Resin Based Evaporation Reducer for Concrete Surfaces

## Material Description

**MasterKure<sup>®</sup> 220 WB** is an acrylic emulsion 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.

## Areas 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 plaster, grout, paint, tiles and epoxy resins.

## Characteristics and Benefits

- Enables hydration of cement by forming a film layer to hold the moisture in the concrete.
- A more efficient and economical method compared to similar cure methods like sack, burlap and watering.
- Enables harder and smoother surface.
- Reduces shrinkage cracks caused by rapid drying.
- All cement and resin based applications can be applied on cured surface.
- Suitable to use in closed areas.
- Easy to apply, reduces labor costs.
- MasterKure<sup>®</sup> 220 WB does not contain solvent.

## Processing

**MasterKure<sup>®</sup> 220 WB** should be applied by homogenous spraying or by rolls on freshly poured concrete. MasterKure<sup>®</sup> 220 WB is applied on surface finished surfaces of field, road and slab concretes and surfaces of concrete placed in molds after demolding.

- MasterKure<sup>®</sup> 220 WB is suggested to spray on concrete surface to obtain a uniform structure.
- MasterKure<sup>®</sup> 220 WB should be applied as a thin layer with a roll. Forming of congestion has to be prevented by a balanced application of the material.
- Local color differences may occur as a result of heterogeneous application. These differences will vanish through the days.

## Cleaning of Tools

Clean all spray equipment, particularly nozzles using white spirit. It is advisable when a spray nozzle is not in use to leave it immersed in solvent.

## Dosage

MasterKure<sup>®</sup> 220 WB recommended coverage is 0,15 kg/m<sup>2</sup>-0,20 kg/m<sup>2</sup>. In open air and windy environments, MasterKure<sup>®</sup> 220 WB's coverage can be increased 0,30 kg/m<sup>2</sup> for effective curing. Coverage is reduced in inner surfaces under shadow. **MBT Tech** should be consulted for detailed information.

## Technical Properties

|                           |                        |
|---------------------------|------------------------|
| Structure of the Material | Acrylic Emulsion Based |
| Apperance                 | White                  |
| Specific Gravity (20°C)   | 0.97 – 1.03 kg/lt      |
| Drying Time (ASTM C 309)  | 2 hours 15 minutes     |
| Viscosity (%20°C)         | 150-400 cP             |

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## Packaging

**MasterKure<sup>®</sup> 220 WB** is available in 200 kg barrels and 20 kg cans.

## Shelf Life

6 months if stored according to manufacturer's instructions in unopened container.

## Storage

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.

## 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

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is only responsible for the quality of the product **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

## Contact

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