

# MASTERKURE® 200W

*High solids, high efficiency, V.O.C.-free curing compound for concrete*

## DESCRIPTION:

MASTERKURE 200W is a water-based polymer and wax emulsion curing and sealing compound for concrete which helps ensure that maximum strength and greater wear resistance are achieved. When applied at 300 to 400 ft<sup>2</sup>/gallon (7.4 to 9.8 m<sup>2</sup>/liter), it meets the moisture retention requirements of ASTM C 309- Type 1 specification for liquid membrane forming curing compounds. The product also complies with atmospheric discharge of volatile organic compounds (V.O.C.) and special solvents, Federal Air Quality Regulation 40 CFR 52.254 since it is totally free of organic solvents or alcohols.

## RECOMMENDED FOR:

- Curing high performance floor toppings and dry shake hardeners (such as MASTERPLATE® and ANVIL-TOP®)
- Use when it is known in advance the curing membrane must be removed after curing is complete
- Use when solvent fumes must be avoided
- Use when government regulations limit V.O.C. discharge
- Use when moisture retention requirements are necessary

## FEATURES/BENEFITS:

- Ensures high curing efficiency – concrete attains its full strength potential
- Provides increased wear resistance on concrete floors and slabs
- Meets military specifications for high solids content
- Allows for easy removal of the curing compound with low-solvent materials
- Non-yellowing
- Contains no V.O.C.s
- Eliminates the hazards of solvent fumes
- Non-toxic

## PACKAGING/ESTIMATING:

MASTERKURE 200W concrete curing and sealing compound is packaged in 5 and 55 gallon (19 and 208 liter) containers.

One gallon (3.8 liters) will cover approximately 300 to 400 ft<sup>2</sup> (7.4 to 9.8 m<sup>2</sup>/liter). For a broomed or floated surface, coverage will be reduced depending on the texture of the surface.

When applied at a rate of 350 ft<sup>2</sup>/gal (8.6 m<sup>2</sup>/liter) MASTERKURE 200W will exceed ASTM C 309 requirements with water loss of 0.35 kg/m<sup>2</sup> or less. ASTM C-309 sets a limit of 0.55 kg/m<sup>2</sup> in 72 hours at 200 ft<sup>2</sup>/gal (4.9 m<sup>2</sup>/liter) coverage.

## APPLICATION:

Apply one coat of MASTERKURE 200W concrete curing compound by constant pressure sprayer, airless industrial sprayer, or roller at the coverage rate recommended above. Consult the MASTERKURE 200W package label for specific application instructions.

Use hot water and detergent to clean rollers and spray equipment before MASTERKURE 200W dries.

Drying time is approximately 35 minutes at 70 °F (21 °C) with the relative humidity at 50%. A higher humidity and/or a lower temperature will increase the drying time.

**NOTE:** This is only the time it takes for the product to dry. The full strength of the curing membrane will not develop for two to four days.

## REMOVAL:

MASTERKURE 200W can be readily removed with some commercial or household water soluble strippers. The stripper should be applied directly to the floor, uniformly spread across the surface, and given enough time to soften the coating.

A mechanical scrubber should be used. **DO NOT USE** steel wool pads or steel bristle brushes. Thoroughly wash the surface with clean water. If residual MASTERKURE 200W remains on the surface, reapply the stripper and repeat the scrubbing procedure.

**DO NOT** use acid. Acids will NOT dissolve the wax coating but **WILL** dissolve the surface of the concrete floor.

**DO NOT** use flammable solvents. The electric motor on a mechanical scrubber or other equipment or flames in the area can ignite flammable vapors.

Master Builders curing compounds are designed to adhere to concrete for purposes of retaining vital hydration water. Removal products and methods suggested are based on those which have proven to be successful. However, Master Builders is responsible only for curing efficiency, not for curing compound removal.

**IMPORTANT:** Ease of curing compound removal is directly related to length of time that compound is left on floor. If it is intended that MASTERKURE 200W be removed, it is best and easiest to remove as soon as curing period is complete (no longer than 28 days) by following the procedures for Stripping given on the product packaging. Stripping after 28 days may leave a residue that is resistant to complete removal.

## LIMITATIONS:

- DO NOT USE:
  - As a non-slip surface while the curing membrane is intact.
  - For any architectural concrete.
- MASTERKURE 200W curing compound should be well stirred before using. Occasional re-stirring is recommended
- DO NOT allow this product to freeze. If this does occur, the product should not be used and should be disposed of properly.
- Best results will occur when ambient temperatures, concrete, product, and all associated equipment are between 45 °F and 85 °F (7 °C and 29 °C).
- DO NOT use as a bond breaker or apply over a bond breaker.
- DO NOT apply while standing water remains on slab.
- DO NOT add water, solvent or otherwise dilute the product.
- Protect the surface from rain until the film is totally dried (when it has dried clear). Reapply MASTERKURE 200W if necessary.

## RELATED BULLETINS:

Material Safety Data Sheet – MASTERKURE 200W

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