

MASTERKURE® 100W

Low solids, general purpose, V.O.C.-free curing compound for concrete

DESCRIPTION:

MASTERKURE 100W is a water-based polymer and wax emulsion curing compound for concrete which helps ensure maximum strength of concrete. When applied at 200 ft²/gallon (4.9 m²/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 conventional concrete as well as highways, sidewalks, curbs and other non-critical concrete areas
- Use when solvent fumes must be avoided
- Use when government regulations limit V.O.C. discharge
- Use when moisture retention requirements are necessary
- Use when it is known in advance the curing membrane must be removed after curing is complete

FEATURES/BENEFITS:

- Ensures high curing efficiency – concrete attains its full strength potential
- Allows for easy removal of the curing compound with low solvent materials (or mineral spirits)
- Non-yellowing
- Contains no V.O.C.'s
- Eliminates the hazards of solvent fumes
- Non-toxic

PACKAGING/ESTIMATING:

MASTERKURE 100W concrete curing compound is packaged in 5 and 55 gallon (19 and 208 liter) containers.

One gallon will cover approximately 200 ft² (4.9 m²/liter). For a broomed or floated surface, coverage will be reduced depending on the texture of the surface.

When applied at a rate of 200 ft²/gal (4.9 m²/liter) MASTERKURE 100W will meet or exceed ASTM C 309 requirements with water loss of 0.40 kg/m² or less. ASTM C 309 sets a limit of 0.55 kg/m² in 72 hours.

APPLICATION:

Apply one coat of MASTERKURE 100W concrete curing compound by constant pressure sprayer, airless industrial sprayer, garden sprayer or roller at the coverage rate recommended above. Consult the MASTERKURE 100W package label for specific application instructions.

Use hot water and detergent to clean rollers and spray equipment before MASTERKURE 100W dries.

Drying time is approximately one hour 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 100W can be removed with any commercial or household water soluble stripper. 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 100W 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 the length of time that compound is left on a surface. If it is intended that MASTERKURE 100W will 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 varies from job to job, may be difficult and time consuming, and may leave a residue that is resistant to complete removal. Furthermore, intensified attempts to remove a resistant curing compound can discolor and/or scratch the surface.

LIMITATIONS:

- DO NOT USE –
 - As a non-slip surface while the curing membrane is intact.
 - For any architectural concrete.
 - For colored concrete or pigmented dry shake surface hardeners.
- MASTERKURE 100W curing compound should be stirred well 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 100W if necessary.

RELATED BULLETINS;

Material Safety Data Sheet – MASTERKURE 100W

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