

# MasterKure<sup>®</sup> HD 100WB & 100C

Concrete hardener and dustproofer

FORMERLY SONOSIL<sup>®</sup> AND SONOSIL CONCENTRATE

#### PACKAGING

##### MASTERKURE HD 100WB

5-gallon (18.9 L) pails  
55-gallon (208 L) drums

##### MasterKure HD 100C:

11 gallons (41.6 L) in a 55-gallon  
(208 L) drum; must be filled with soft  
potable water prior to use.

#### COLOR

Clear liquid

#### YIELD

See Chart on page 3.

#### STORAGE

Store in unopened containers in a  
cool, dry area between 35 and 85° F  
(4 and 29° C). Keep from freezing.

#### SHELF LIFE

15 months when properly stored.

#### VOC CONTENT

0 g/L, less water and exempt  
solvents.

#### DESCRIPTION

MasterKure HD 100WB is a sodium silicate-based concrete hardener and dustproofer that bonds chemically with the concrete to strengthen and harden floors that are porous, readily absorptive, and only moderately hard.

#### PRODUCT HIGHLIGHTS

- Hardens and densifies concrete floors to reduce absorption and prolong service life
- Non-film forming, resulting in reduced cleaning and maintenance costs
- Quick-drying for fast turnaround
- Residue-free for compatibility with most resilient floor-covering adhesives

#### APPLICATIONS

- Interior and exterior
- Floors and walls requiring a harder, easier-to-clean finish
- Docks and ramps

#### SUBSTRATES

- Freshly placed concrete
- Newly cured bare concrete
- Aged concrete
- Terrazzo (non-resinous)

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## HOW TO APPLY

### SURFACE PREPARATION

#### GENERAL CLEANUP

1. Surfaces must be clean, dry, and free of contaminants, including parting compounds.
2. Rinse, then remove surface water.

#### FRESHLY PLACED CONCRETE

1. Complete finishing operations and allow visible surface water to dissipate prior to application of MasterKure® HD 100WB.
2. Surface must be able to bear foot traffic without marring or damaging the concrete.

#### NEWLY CURED BARE CONCRETE

1. Where concrete has not been membrane-cured, perform after-construction cleanup.
2. Level any areas gouged by trades and follow general cleanup instructions.

#### AGED CONCRETE OR NON-RESINOUS TERRAZZO

1. Mechanically remove aged membranes.
2. Patch, grout and fill cracks as necessary to restore the surface finish.
3. Follow general cleanup instructions.

#### VERTICAL WORK

1. After form stripping, repair and refine surface to meet project requirements. Remove remaining traces of parting compounds.
2. Ensure that surface is clean and free of surface moisture.

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## APPLICATION

1. Apply MasterKure HD 100WB by brush, squeegee, or hand sprayer. Spray application produces the best results.
2. Always apply to form a continuous, uniform film over the surface. Brush out any accumulations of excess material immediately.
3. One coat will typically produce a light-duty surface. Surface wearability increases with each additional application. Coverage is influenced by surface conditions and porosity, as well as job requirements. Refer to the yield chart.
4. It is the responsibility of the user to adjust the curing rate to properly regulate the hydration of the concrete. Two applications may be required. The rates given are approximate, assuming average concrete finish, temperature, and admixture used.
5. Each application must be thoroughly dry before the next is applied (See Drying Time).
6. When used as a curing aid, apply to edges after forms are removed.

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## CLEAN UP

Clean all tools and equipment with water immediately after use. Thoroughly flush sprayers. Dispose of unused material according to local regulations.

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## DRYING TIME

1. MasterKure HD 100WB penetrates in approximately 30-60 minutes per application, depending on temperature, humidity and job conditions. Each application must penetrate thoroughly before proceeding with the next.
2. MasterKure HD 100WB must completely dry before accepting any traffic. Allow 24 hours before subjecting to heavy traffic.

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## FOR BEST PERFORMANCE

- If MasterKure HD 100WB freezes, warm and restir to uniformity. If separation is persistent, discard product and do not use.
- When transferring MasterKure HD 100WB from the original sealed container, use only plastic buckets or pails.
- Do not apply MasterKure HD 100WB to floors that have been previously sealed or treated with curing and parting compounds unless these products have been chemically or mechanically removed.
- Do not apply MasterKure HD 100WB to resin-based terrazzo mixes.
- MasterKure HD 100WB will not remediate honeycombed or structurally unsound surfaces.
- Do not allow MasterKure HD 100WB to dry on terrazzo floors except as indicated in application instructions.
- Do not allow MasterKure HD 100WB to come in contact with any glass, fabric, metal, or painted surfaces. Immediately wipe contaminated surfaces with a clean water-saturated cloth, then wipe dry with a second clean cloth.
- For subsequent coating applications, consult coating manufacturer for surface preparation and application instructions.
- For professional use only; not for sale to or use by the general public.
- Make certain the most current versions of product data sheet and SDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by Master Builders Solutions personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

**Technical Data**

MasterKure HD 100WB is sodium-silicate-based.

**Compliances**

- USDA compliant for use in meat and poultry areas

**Yield**

Approximate ft<sup>2</sup>/gal (m<sup>2</sup>/L) per coat

	ROUGH FINISH	FINELY TEXTURED	WELL TROWELED
Newly Placed Concrete	300 (7.4)	400 (9.8)	500 (12.3)
Newly Cured Bare Concrete	200 (4.9)	300 (7.4)	400 (9.8)
Aged Concrete	150 (3.7)	200 (4.9)	250 (6.2)
Vertical Work	—	200 (4.9)	300 (7.4)

For best results for succeeding coats, increase coverage rate for each succeeding coat. Coverage varies with application method and the texture and porosity of the surface.

