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Technical Data Guide

MASTER® BUILDERS SOLUTIONS

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Concrete Curing

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MasterKure® CC 200 WB

Water-based modified acrylic curing, sealing, and dustproofing compound

FORMERLY KURE-N-SEAL® W

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

COLOR
Milky white; dries clear

YIELD
Curing only: 200–400 ft²/gallon (4.9–9.8 m²/L)

Second coat (dustproofing and sealing): 400–600 ft²/gallon (9.8–14.7 m²/L)

Recoating, dustproofing and sealing: 200–300 ft²/gallon (4.9–7.4 m²/L)

Coverage varies with application method, texture and porosity of surface.

STORAGE
Store in unopened containers in a clean, dry area between 40° and 85° F (4° and 29° C). Keep from freezing.

SHELF LIFE
15 months when properly stored

VOC CONTENT
146 g/L less water and exempt solvents.

DESCRIPTION
MasterKure® CC 200 WB is a water-based acrylic liquid polymer. It is recommended for use on new or existing concrete floors as classified in ACI Guide 302, Table 1.1.

PRODUCT HIGHLIGHTS
- Ensures high curing efficiency allowing concrete to attain its full strength potential
- Reduces surface absorption and dusting of concrete for easier cleaning and maintenance
- Retains moisture in concrete to minimize shrinkage cracking
- Solvent-free for reduced odor
- Water based for reduced VOC content
- VOC compliant for EPA and most regional jurisdictions
- Compatible with most carpet and tile adhesives

APPLICATIONS
- Interior and exterior
- Horizontal and vertical
- Odor-sensitive locations

SUBSTRATES
- Concrete

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HOW TO APPLY

SURFACE PREPARATION

1. Freshly placed concrete must be properly finished. The surface is application ready when it is damp but not wet and when it cannot be marred by foot traffic.
2. Existing concrete surfaces should be thoroughly repaired and cleaned before application. Surface must be clean, dry and free of dust, oil, grease, sealers and all other surface contaminants that might inhibit proper bond of material.

APPLICATION

1. Thoroughly mix material in original container before applying.
2. Apply a continuous, uniform film by solvent-resistant low-pressure spray only, short-nap roller or lamb's wool applicator.
3. For curing, one coat may be sufficient. However, two coats may be required in hot and windy conditions. Apply evenly and uniformly as soon as possible after final finishing.
4. To seal and dustproof, two coats are required. Apply the second coat when all trades have completed their work and site is ready for occupancy.
5. Do not over apply or soak concrete surfaces with the curing compound. Do not allow the curing compound to pool on the surface. Over- application can result in alligatoring and mud cracking, whereby a film forms on the substrate before the material dries properly. Over- application may also cause opacity, as elements of the curing compound become trapped in the subsurface and cannot escape.

DRYING TIME

- Times are based upon temperatures of 65 to 85° F (18 to 29° C) and 50% relative humidity.
- Light foot traffic or between coats: 4 hours
- Normal traffic: overnight
- Maximum hardness: 7 days
- Material will take longer to dry at either higher humidity or lower temperatures.

CLEAN UP

Clean tools immediately after use with soap and warm water.

FOR BEST PERFORMANCE

- For curing only, one coat may be sufficient; two coats will give best results. To seal and dustproof, two coats are required.
- Not recommended for use in colored dry-shake applications.
- Keep from freezing.
- Do not apply when concrete surface or ambient temperature is below 40° F (4° C).
- Do not apply when surface temperature is above 120° F (49° C).
- Not recommended as a release agent.
- Do not apply to surfaces of joints to be caulked with sealants. Mask joints to avoid sealant-adhesion problems.
- Can be applied to natural or colored concrete, but mottling or discoloration may occur.
- May highlight features and imperfections of the concrete surface.
- MasterKure® CC 200 WB must be fully dry before exposure to water or it may whiten.
- Although MasterKure CC 200 WB is compatible with a variety of carpet, vinyl-tile and floor-covering adhesives, always conduct a test application before applying.
- Not intended for surfaces to receive concrete overlays or additional toppings, coatings, sealers or ceramic tile (without proper surface preparation).
- MasterKure CC 200 WB is considered a light-duty floor sealer; it may rubber burn when subjected to forklift or other wheeled traffic.
- If MasterKure CC 200 WB will be applied in or near areas containing foodstuffs, they must be removed before application.
- Extended exposure to moisture may result in a temporary opaque condition that clears upon drying.
- Do not use in areas requiring resistance to solvents.
- Only mechanical methods of removal are recommended.
- The small amount of vapors released by MasterKure CC 200 W may be objectionable to people unaccustomed to the odor; do not apply MasterKure CC 200 W in or around buildings occupied by non-construction personnel without consulting building management.
- 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.

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Technical Data

Composition

MasterKure CC 200 WB is an acrylic polymer resin in water

Compliances

- Recommended for use on concrete floors as classified in Table 1.1, ACI Standard 302
- ASTM C 309, Type 1, Class A and B
- AASHTO M-148
- USDA compliant for use in meat and poultry areas

Typical Properties

PROPERTY	VALUE
Solids Content, % by weight	20

Test Data

PROPERTY	RESULTS	TEST METHODS
Comparative Abrasion Resistance, mg lost		Taber Abraser CS-17 Wheel, 1,000 g load, 1,000 revolutions
Bare concrete	524	
MasterKure CC 200 WB treated	100	
Moisture Retention, kg/m² (applied at 200 ft²/gal)		ASTM C 309
MasterKure CC 200 WB	< 0.53	
Test requirement	≤ 0.55	

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use.

Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

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