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Concrete
Curing

MasterKure® CC 250 SB

Low-viscosity, transparent, solvent-based, modified acrylic curing, sealing and dustproofing compound

FORMERLY KURE-N-SEAL 25 LV

PACKAGING

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

COLOR

Amber; 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 35° and
85° F (2° and 29° C). Keep from
freezing.

SHELF LIFE

18 months when properly stored

VOC CONTENT

601 g/L, less water and exempt
solvents.

DESCRIPTION

MasterKure® CC 250 SB is a transparent, low-viscosity, 25% solids, VOC-compliant, solvent-based modified acrylic curing, sealing and dustproofing compound designed for easier application at cool temperatures. It complies with ASTM C 1315, Type I, Class A.

PRODUCT HIGHLIGHTS

- Solvent-based for excellent blush/whitening resistance
- 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
- VOC compliant for EPA
- Compatible with most carpet and tile adhesives
- Semi-gloss appearance so surfaces look newer and brighter
- Good UV resistance for retention of transparency
- Low viscosity to provide easier application at cool temperatures
- Abrasion resistant to withstand foot traffic and provide extended wear
- Sprayable with suitable pump-up canister sprayer

APPLICATIONS

- Interior and exterior
- Horizontal and vertical

SUBSTRATES

- Concrete
- Decorative concrete
- Exposed aggregate
- Brick

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 overapply 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 65 to 85° F (18 to 29° C) at 50% relative humidity.
- Light foot traffic or between coats: 3 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 and equipment with MasterSeal 990 immediately after use and while MasterKure CC 250 SB is still wet.

FOR BEST PERFORMANCE

- MasterKure CC 250 SB may settle and must be stirred thoroughly before and during application.
- Do not thin.
- Keep away from heat and open flame.
- Application not recommended when surface temperature exceeds 120° F (49° C).
- If MasterKure CC 250 SB is to be applied in or near areas containing foodstuffs, they must be removed before application; do not return foodstuffs until MasterKure CC 250 SB has fully dried and all solvent vapors have dissipated.
- Heating Ventilation Air Conditioning (HVAC) units may draw solvent vapors into occupied building interiors. Solvent vapors can be irritating. Do not apply MasterKure CC 250 SB in or around buildings occupied by non-construction personnel without consulting building management and taking appropriate precautions. Use only with adequate ventilation and with a minimum of six air changes per hour.
- Do not apply to surfaces of joints to be caulked with sealants. Mask joints to avoid sealant-adhesion problems.
- Do not use on surfaces that are to receive concrete overlays or additional toppings or coatings.

- Not recommended as a release agent or where other sealers or treatments are to be later applied.
- Avoid excess moisture until material is fully cured.
- Although MasterKure CC 250 SB is compatible with a variety of tile, carpet and floor covering adhesives, a test application is always recommended.
- 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 250 SB is considered a light-duty sealer; may rubber burn when subjected to forklift or other wheeled traffic.
- Mechanical methods are recommended for removing MasterKure CC 250 SB.
- 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

Composition

MasterKure® CC 250 SB is an acrylic polymer resin in a solvent carrier.

Compliances

- MasterKure CC 250 SB is recommended for use on Class 1, 2, 3 and 4 concrete floors as classified in Table 1.1, ACI Standard 302
- ASTM C 309, Type 1, Class A
- ASTM C 1315, Type I, Class A
- Corps of Engineers CRD-C304, Type I, Class A or B AASHTO M-148
- USDA compliant for use in meat and poultry areas, when fully cured

Test Data

PROPERTY	RESULTS	TEST METHODS
Moisture Retention , kg/m ² applied at 300 ft ² /gal		ASTM C 1315
MasterKure CC 250 SB	0.38	
Test requirement	≤ 0.4	
Drying Time , hrs	< 4	ASTM C 1315
Solids , %	25	ASTM C 1644
Flashpoint , ° F (° C)	> 109 (> 42)	ASTM D 56
Acid and Alkali Resistance , at 1 and 16 hours	No effect observed	ASTM D 1308
UV Light Resistance	Membrane lighter than Gardner Color 3	ASTM G 53
Adhesion of Tile Cement , psi	> 165	ASTM C 1315

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. The SDS can be obtained by visiting www.master-builders-solutions.com/en-us, e-mailing your request to mbsbscst@mbcc-group.com or calling 1(800)433-9517. 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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