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3 | 03 39 00  
Concrete  
Curing

Technical Data Guide

# MasterKure<sup>®</sup> CC 180 WB

Waterborne acrylic curing, sealing, and dustproofing compound

FORMERLY KURE-N-SEAL<sup>®</sup>

## PACKAGING

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

## COLOR

Milky white; dries clear

## YIELD

Curing only: 200–400 ft<sup>2</sup>/gallon  
(4.9–9.8 m<sup>2</sup>/L)

Second coat(dustproofing and  
sealing): 400–600 ft<sup>2</sup>/gallon  
(9.8–14.7 m<sup>2</sup>/L)

Recoating, dustproofing and sealing:  
200–300 ft<sup>2</sup>/gallon (4.9 – 7.4 m<sup>2</sup>/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

311 g/L, less water and exempt  
solvents.

## DESCRIPTION

MasterKure<sup>®</sup> CC 180 WB is a modified acrylic-based 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
- VOC compliant for EPA and most regional jurisdictions
- Compatible with most carpet and tile adhesives

## APPLICATIONS

- Interior and exterior
- Vertical and horizontal surfaces
- Curing freshly placed and finished concrete
- Sealing and dustproofing existing concrete

## 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.

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## APPLICATION

1. Thoroughly mix material in original container before applying.
2. Apply a continuous, uniform film by 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.

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## 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.

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## CLEAN UP

Clean tools immediately after use with soap and warm water.

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## 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 180 WB must be fully dry before exposure to water or it may whiten.
- Although MasterKure CC 180 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 180 WB is considered a light-duty floor sealer; it may rubber burn when subjected to forklift or other wheeled traffic.
- If MasterKure CC 180 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.
- Only mechanical methods of removal are recommended.
- The small amount of solvent vapors released by MasterKure CC 180 WB may be objectionable to people unaccustomed to the odor; do not apply MasterKure CC 180 WB 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 MSDS 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 BASF 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 180 WB is a modified-acrylic-based liquid polymer.

#### Compliances

- Recommended for use on concrete floors as classified in Table 1.1, ACI Guide 302
- ASTM C 309, Type 1, Class A and B
- AASHTO M-148
- Corps of Engineers CRD-C-304, Type 1, Class A and B
- USDA compliant for use in meat and poultry areas

#### Typical Properties

PROPERTY	VALUE
<b>Solids,</b> %, by weight	18

### Test Data

PROPERTY	RESULTS	TEST METHODS
<b>Moisture Retention Test</b> , kg/m <sup>2</sup> , Applied at 200 ft <sup>2</sup> /gal (5 m <sup>2</sup> /L)		ASTM C 309
MasterKure® CC 180 WB	< 0.38	
Test requirement	≤ 0.55	

Test results are averages obtained under laboratory conditions. Expect reasonable variations.

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#### 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 [buildingsystems.basf.com](http://buildingsystems.basf.com), e-mailing your request to [basfbcst@basf.com](mailto:basfbcst@basf.com) or calling 1(800)433-9517. Use only as directed.

**For medical emergencies only,  
call ChemTrec® 1(800)424-9300.**

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