



The Chemical Company



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Concrete
Curing

Technical Data Guide

MasterKure® CC 250 XS

Exempt-solvent-based, transparent, modified acrylic, curing, sealing & dustproofing compound

FORMERLY KURE-N-SEAL™ 25 ES

PACKAGING

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

COLOR

Transparent

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

347 g/L less water and exempt
solvents.

DESCRIPTION

MasterKure® CC 250 XS is a transparent, low-viscosity, 25% solids, exempt-solvent-based modified acrylic curing, sealing and dustproofing compound designed for easier application at cool temperatures.

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
- 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
- VOC content makes it compliant in OTC & LADCO-regulated states and Canada
- 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 of 65 to 85° F (18 to 29° C) at 50% relative humidity.
- Light foot traffic or between coats: 2 to 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 and equipment with MasterSeal® 990 immediately after use and while MasterKure® CC 250 XS is still wet.

FOR BEST PERFORMANCE

- MasterKure CC 250 XS is not recommended for interior spaces with poor ventilation as the odor may be objectionable. MasterKure® CC 1315 WB is a water-based alternative for such applications that should be considered.
- MasterKure CC 250 XS is a solvent-based material. Consideration should be given to the odor such solvent-based materials produce. Adjacent inhabited buildings or adjoining parklands and play areas in usage should be evaluated for the effect such odors may have on those with a high personal sensitivity to such odors.
- Application of MasterKure CC 250 XS is recommended between 50° F and 80° F (10° C to 27° C). To reduce incidence of bubbling of the drying film, application is recommended on cooler, overcast days or in the evening hours when ambient and substrate temperatures are dropping.
- The use of MasterKure CC 250 XS in rapid drying conditions is discouraged. Rapid drying conditions are characterized by direct sunlight, elevated ambient and substrate temperatures and excessive wind.
- When spraying MasterKure CC 250 XS it is recommended that care be given to apply the material at a distance of no more than 8" (20 cm) from the substrate.
- MasterKure CC 250 XS 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 80° F (27° C).

- If MasterKure CC 250 XS is to be applied in or near areas containing foodstuffs, they should be removed before application; do not return foodstuffs until MasterKure CC 250 XS 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 XS 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 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.
- Do not use in areas that require resistance to solvents
- Avoid excess moisture until material is fully cured.
- 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 XS 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 XS.
- 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 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 250 XS is an acrylic polymer resin in a solvent carrier.

Compliances

- MasterKure CC 250 XS is recommended for use on Class 1, 2, 3 and 4 concrete floors as classified in Table 2.1, ACI Standard 302
- ASTM C 309, Type 1, Class A and B
- ASTM C 1315, Type I, Class A

Test Data

PROPERTY	RESULTS	TEST METHODS
Moisture Retention, kg/m² applied at 250 ft ² /gal		ASTM C 1315
MasterKure® CC 250 XS	0.39	
Test requirement	≤ 0.4	
VOC Content, g/l	347	
Drying Time, hrs	<1	ASTM C 1315
Solids, %	25	ASTM C 1644
Flash Point, °F (°C)	>52 (>11)	ASTM D 56
Acid & Alkali Resistance, at 1 and 16 hours	Excellent	ASTM D 1308
Yellowing Resistance	Excellent	ASTM G 53
Adhesion to Concrete	Excellent	ASTM D 4541

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, e-mailing your request to 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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