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Concrete
Curing

Technical Data Guide

MasterKure® CC 300 XS

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

FORMERLY KURE-N-SEAL™ 30 ES

PACKAGING

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

COLOR

Transparent

YIELD

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

Second Coat (Dustproofing and sealing)
400 – 600 ft² (9.8 – 4.7 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 300 XS is a transparent, 30% solids, exempt-solvent-based, modified acrylic curing compound designed to provide a high-gloss finish.

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
- Higher solids formula results in an attractive, high-gloss finish
- 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

APPLICATIONS

- Interior and exterior
- Horizontal and vertical
- Residential concrete
- Decorative concrete
- Stamped concrete
- Colored concrete
- Exterior

SUBSTRATES

- Concrete

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. Stir MasterKure CC 300 XS thoroughly before using.
2. Apply a continuous, uniform film by short 1/4" (0.64 cm) nap, solvent-resistant roller cover. Keep roller wet and maintain a wet edge. Do not re-roll excessively as bubbling will occur. Spraying is not recommended.
3. For curing, only 1 coat is necessary. Apply evenly and uniformly after final finishing.
4. To seal and dustproof, 2 coats are required. Apply the second application 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 on 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 300 XS is still wet.

FOR BEST PERFORMANCE

- MasterKure CC 300 XS is not recommended for interior spaces with poor ventilation as the odor may be objectionable. MasterKure CC 1315 is a water-based alternative for such applications that should be considered.
- MasterKure CC 300 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 effects such odors may have on those with a high personal sensitivity to said odors.
- Application of MasterKure CC 300 XS is recommended between 50° F to 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 300 XS in rapid drying conditions is discouraged. Rapid drying conditions are characterized by direct sunlight, elevated ambient and substrate temperatures and excessive wind.
- Do not thin.
- Keep away from heat and open flame.
- Application not recommended when surface temperatures exceed 80° F (27° C).
- For best appearance and performance, apply uniformly and at recommended coverage rates.
- If MasterKure CC 300 XS is to be applied in or near areas containing foodstuffs, they must be removed before application; do not return foodstuffs until MasterKure CC 300 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 300 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 6 air changes per hour.
- Do not apply to surfaces of joints to be caulked with sealants. Mask joints to avoid sealant-adhesion problems.
- Not intended for surfaces to receive concrete overlays or additional toppings, coatings, sealers or ceramic tile (without proper surface preparation).
- 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.
- MasterKure CC 300 XS will highlight imperfections and may darken the final appearance of the concrete surface.
- MasterKure CC 300 XS can be applied to natural or colored concrete but mottling may occur.
- MasterKure CC 300 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 300 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 300 XS is an acrylic polymer in a solvent carrier.

Compliances

- Recommended for concrete floors as defined in Table 2.1, ACI Standard 302.1R
- ASTM C 1315, Type 1, Class A
- ASTM C 309, Type 1, Class A and B

Test Data

PROPERTY	RESULTS	TEST METHODS
Moisture Retention , kg/m ² (applied at 300 ft ² /gal)		ASTM C 1315
MasterKure® CC 300 XS	0.40	
Test requirement	≤ 0.4	
Drying Time , hrs	<1	ASTM C 1315
Soilds , %	30	ASTM C 1644
Flash Point , °F (°C)	>55 (>12.7)	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 basfbscst@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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