

PRODUCT DATA

3 03 39 00 **Concrete Curing**

# KURE-N-SEAL®

Waterborne acrylic curing, sealing, and dustproofing compound

### Description

Kure-N-Seal is a modified-acrylic-based liquid polymer. Kure-N-Seal is recommended for use on new or existing concrete floors as classified in ACI Guide 302, Table 1.1.

### Yield

Curing only:

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

Second coat:

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

Renovating, dustproofing and sealing:

200 – 300 ft<sup>2</sup>/gallon (4.9 – 7.4 m<sup>2</sup>/L)

Under mastic-type floor adhesives:

400 – 600 ft<sup>2</sup>/gallon (9.8 – 14.7 m<sup>2</sup>/L)

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

### Packaging

5 gallon (18.9 L) pails

55 gallon (208 L) drums

### Color

Milky white; dries clear

Gray color packs available

Add 1 qt/5 gal pail

(.95L/18.93L pail) and mix thoroughly

### Shelf Life

15 months when properly stored

### Storage

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

### Features

- Ensures high curing efficiency
- Reduces surface absorption of concrete
- Cures, seals and dustproofs
- Retains the moisture in concrete
- VOC compliant
- Compatible with a variety of carpet and tile adhesives

### Benefits

- Concrete attains its full strength potential
- Makes surfaces easier to clean and maintain
- Economical
- Minimizes shrinkage cracking
- Meets EPA regulations; environmentally friendly
- Can be carpeted or tiled over

### Where to Use

#### APPLICATION

- Curing freshly placed and finished concrete floors
- Sealing and dustproofing existing concrete

#### LOCATION

- Vertical and horizontal surfaces
- Interior or exterior

#### SUBSTRATE

- Smooth and textured concrete
- Precast concrete
- Paving stones
- Exposed aggregate
- Terrazzo

### 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 material to form a continuous, uniform film by sprayer, roller, or brush.
3. For curing, only 1 application is necessary. Apply evenly and uniformly as soon as possible after final finishing.

NOTE: two coats are required under hot and windy weather conditions.

4. To seal and dustproof, two coats are required. Apply the second application when all trades are completed and site is ready for occupancy.

## Technical Data

### Composition

Kure-N-Seal 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> , at 200 ft <sup>2</sup> /gal (5 m <sup>2</sup> /L) (ASTM C 390 requirement)		ASTM C 156
Kure-N-Seal	< 0.38	
Test requirement not to exceed	< 0.55	

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

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, 1 coat may be sufficient; 2 coats, however, will give best results. To seal and dustproof, 2 coats are required.
- Not recommended for use in colored dry-shake applications
- Keep from freezing.
- DO NOT apply when concrete surfaces or ambient temperatures are 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 the interfacing of channels to be caulked with elastomeric sealants. Mask channels to avoid sealant-adhesion problems.
- Can be applied to natural or colored concrete, but mottling or ambering may occur.
- May highlight features and imperfections of the concrete surface.
- Concrete substrate must be fully dry before exposure to water or it may whiten.
- Although Kure-N-Seal 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).
- Kure-N-Seal is considered a light-duty floor sealer; it may rubber burn when subjected to forklift or other wheeled traffic.
- If Kure-N-Seal will be applied in or near areas containing foodstuffs, they should be removed before application.
- Only mechanical methods of removal are recommended.
- The small amount of solvent vapors released by Kure-N-Seal may be objectionable to people unaccustomed to the odor; do not apply Kure-N-Seal in or around buildings occupied by nonconstruction personnel without consulting building management.
- 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.

## Health and Safety

KURE-N-SEAL

### Caution

Kure-N-Seal contains Solvent naphtha (petroleum), light aromatic, 1, 2, 4 trimethylbenzene.

### Risks

Combustible liquid and vapor. May cause skin, eye or respiratory irritation. May cause dermatitis and allergic responses. Inhalation of vapors may cause irritation and intoxication with headaches, dizziness and nausea. Ingestion may cause irritation of mouth, throat and stomach with nausea and abdominal pain. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

### Precautions

READ MATERIAL SAFETY DATA SHEETS (MSDS) AND TECHNICAL DATA GUIDE BEFORE USING. DO NOT USE UNTIL ALL BYSTANDERS HAVE BEEN WARNED OF PRODUCT HAZARDS. KEEP AWAY FROM HEAT, FLAME AND SOURCES OF IGNITION. KEEP OUT OF THE REACH OF CHILDREN. Vapors are heavier than air. DO NOT cut or weld on or near empty container. Empty container may contain explosive vapors or hazardous residues. Keep container closed. Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Wash thoroughly after handling. DO NOT breathe vapors. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or product is used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations. All label warnings must be observed until container is commercially cleaned or reconditioned.

### First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists, or any breathing difficulty occurs, or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

### Proposition 65

This product contains materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

### VOC Content

2.59 lbs/gal or 311 g/L, less water and exempt solvents.

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

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**5.4**



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