

# KURE-N-SEAL™ 30

Transparent, acrylic, solvent-based, and high-gloss curing, sealing, and dustproofing compound

PRODUCT DATA

3 03390

Concrete Curing

## Description

Kure-N-Seal™ 30 is a transparent, 30% solids, solvent-based, acrylic curing membrane. Apply it to damp or dry surfaces to provide a high-gloss finish.

## Yield

For curing only, 1 coat may be sufficient; 2 coats, however, will give best results. To seal and dustproof, 2 coats are required.

Ft<sup>2</sup>/gallon (m<sup>2</sup>/L) per coat

Curing only:

200 – 400 (4.9 – 9.8)

Second coat (dustproofing and sealing)

400 – 600 (9.8 – 14.7)

Renovating, dustproofing, and sealing:

200 – 300 (4.9 – 7.4)

Under mastic-type floor adhesives:

400 – 600 (9.8 – 14.7)

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

## Features

- Compliant with AIM regulations
- 30% solids by weight
- Curing compound
- Sealer and dustproof
- Abrasion resistant
- Reduced fluid penetration
- Compatible with a variety of adhesives
- Available with fugitive red dye

## Packaging

Kure-N-Seal™ 30:  
5 gallon pails (18.93 L)  
55 gallon drums (208 L)

Fugitive red dye:

1 pint (0.47 L) containers; use 1 pt/ 55 gallon drum (0.47 L/208 L drum) and 1.5 oz/5 gallon pail (44 ml/18.93 L pail).

Reducer 990:

1 gallon (3.8 L) pails

## Color

Transparent

## Shelf Life

10 months when properly stored

## Storage

Store in unopened containers in cool, clean, dry area.

## Benefits

- Offers a range of temperature applications
- Provides a high gloss finish
- Efficiently retains moisture for freshly placed concrete; ensures proper strength development; minimizes shrinkage cracking
- Makes surfaces easier to clean and maintain
- Extends wear
- Increases stain resistance of concrete
- Can be tiled or carpeted over
- Helps ensure even coverage

## Where to Use

### APPLICATION

- Offices
- Warehouses
- Commercial buildings

### LOCATION

- Interior or exterior

### SUBSTRATE

- Freshly placed concrete
- Finished concrete
- Aged concrete

## Technical Data

### Composition

Kure-N-Seal™ 30 is an acrylic polymer in a solvent carrier.

### Compliances

- Recommended for concrete floors as defined in Table 1.1, ACI Standard 302.1R
- Federal Specification TT-C-800A
- AASHTO M-148
- ASTM C 1315, Type 1, Class B (per AIM regulations)
- USDA compliant for use in meat and poultry areas when fully cured
- Corps of Engineers CRD-C-304, Type 1 and 1D (with fugitive red dye), Class A and B
- ASTM C 309, Type 1, Class A and B (Type 1D with Fugitive Dye)

### Typical properties

PROPERTY	VALUE
Solids content, % by weight	30

### Test Data

PROPERTY	RESULTS	TEST METHODS
<b>Moisture retention</b> , kg/m <sup>2</sup> (applied at 200 ft <sup>2</sup> /gal)		ASTM C 309
Kure-N-Seal™ 30	0.21	
Test requirement	≤ 0.55	
<b>Moisture retention</b> , kg/m <sup>2</sup> (applied at 300 ft <sup>2</sup> /gal)		ASTM C 156
Kure-N-Seal™ 30	0.32	
Test requirement	< 0.4	

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

## How to Apply

### Surface Preparation

#### NEWLY PLACED CONCRETE

1. Surface must be sound and properly finished.
2. Surface is application ready when damp but not wet, and it can no longer be marred by foot traffic.

#### NEWLY CURED BARE CONCRETE

1. Level any gouges.
2. Remove all dirt, dust, oil, grease, asphalt, and foreign matter. Clean with caustics and detergents as required. Citrus Degreaser is excellent for removing oil stains and many curing compounds (see Form No. 1017985).
3. Rinse thoroughly and allow to dry so that surface is no more than damp and never wet.

#### AGED CONCRETE

1. Patch, grout, and fill cracks and holes.
2. Surface must also be free of any dust, dirt, and other foreign matter. Remove any incompatible sealers or coatings. Clean as described under "Newly cured concrete."

### Application

1. Stir Kure-N-Seal™ 30 thoroughly before using.
2. Apply a continuous, uniform film by an airless sprayer with a tip size of 0.519, short-nap roller, or lamb's wool applicator. Hand held sprayers are not recommended.
3. For curing, only 1 coat is necessary. Apply evenly and uniformly after final finishing. Apply second coat when all trades have finished and structure is ready for occupancy.
4. To seal and dustproof, 2 coats are required. Apply the second application when all trades are completed and site is ready for occupancy.

### Drying Time

At 65 to 85° F (18 to 29° C) at 50% relative humidity.

Light foot traffic or between coats: 4 hours

Normal traffic: overnight

Maximum hardness: 7 days

### Maintenance

1. Routinely sweep and wash floors with conventional cleaners and detergents.
2. Remove all abrasive grit and wipe up corrosive spills as soon as possible.
3. Inspect application periodically for wear.
4. Renovate by reapplying Kure-N-Seal™ 30 to regain original gloss and protection.

### Clean Up

Clean tools and equipment with Reducer 990 immediately after use and while Kure-N-Seal™ 30 is still wet.

## For Best Performance

- Do not thin.
- Keep away from heat and open flame.
- Application not recommended when surface temperatures exceed 120° F (49° C).
- For best appearance and performance, apply uniformly and at recommended coverage rates.
- If Kure-N-Seal™ 30 is to be applied in or near areas containing foodstuffs, they should be removed before application; do not return foodstuffs until Kure-N-Seal™ 30 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 Kure-N-Seal™ 30 in or around buildings occupied by nonconstruction 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 Kure-N-Seal™ 30 to joint faces to be caulked with elastomeric sealants; protect joint faces by masking.
- 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.
- Do not use in areas that require resistance to solvents.
- The red hue in fugitive red dye will dissipate upon exposure to UV light.
- Although Kure-N-Seal™ 30 is compatible with a variety of carpet, vinyl tile, and floor covering adhesives, always conduct a test application beforehand.
- Kure-N-Seal™ 30 will highlight imperfections and may darken the final appearance of the concrete surface.
- Kure-N-Seal™ 30 can be applied to colored concrete or dry shake hardeners, but mottling may occur.
- Kure-N-Seal™ 30 is considered a light-duty sealer; may rubber burn when subjected to forklift or other wheeled traffic.
- Mechanical methods are recommended for removing Kure-N-Seal™ 30.
- 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 Degussa 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™ 30

#### Caution

Kure-N-Seal™ 30 contains naphthalight aromatic, 1,2,4 trimethyl benzene, xylene, and cumene.

#### Risks

Combustible liquid and vapor. May cause skin and eye irritation. May cause dermatitis and allergic responses. Inhalation of vapors may cause irritation and intoxication with headaches, dizziness and nausea. Ingestion may cause irritation. May be absorbed through skin. Repeated or prolonged exposure increases the risk of absorption. 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 MSDS AND TECHNICAL DATA GUIDE BEFORE USING. DO NOT USE UNTIL ALL BYSTANDERS HAVE BEEN WARNED OF PRODUCT HAZARDS. KEEP OUT OF THE REACH OF CHILDREN. KEEP AWAY FROM HEAT, FLAME AND SOURCES OF IGNITION. 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. 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 does not knowingly contain materials listed by the state of California as known to cause cancer and birth defects or other reproductive harm.

## VOC Content

5.4 lbs/gal or 646 g/L, less water and exempt solvents.

**For medical emergencies only,  
call ChemTrec1 (1-800-424-9300).**

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