

KURE-N-SEAL™ WB

Waterborne, acrylic, and transparent curing, sealing, and dustproofing compound

PRODUCT DATA

3 03390

Concrete Curing

Description

Kure-N-Seal™ WB is a waterborne, acrylic, 15% solids, and transparent curing, sealing, and dustproofing compound. Apply it on damp or dry surfaces of freshly placed and finished concrete, aged floors, and exposed aggregate.

Yield

Ft²/gallon per coat (m²/L)

Curing only:

200 – 400 (4.9 – 9.8)

2nd coat (dustproofing and sealing):

400 – 600 (9.8 – 14.6)

Renovating, dustproofing, and sealing:

200 – 300 (4.9 – 7.4)

Under mastic floor adhesives:

400 – 600 (9.8 – 14.6)

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

Coverage rates listed are approximations. Coverage varies with application method, texture, and porosity of surface; actual surface profile will determine exact coverage rate.

Features

- Curing compound
- Sealer
- Dustproofer
- Abrasion resistant
- Compatible with a variety of adhesives
- Available with fugitive red dye
- Low VOCs

Packaging

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

Fugitive red dye:

1 pint (.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).

Color

Milky white; dries clear

White and gray color packs available. Add 1 qt/5 gallon pail (.95 L/18.93 L pail) and mix thoroughly.

Shelf Life

1 year when properly stored

Storage

Store in unopened containers in a cool, dry area. Keep Kure-N-Seal™ WB from freezing in the container; do not store below 35° F (2° C).

Benefits

- Efficiently retains moisture for freshly placed concrete; ensures proper strength development; minimizes shrinkage cracking
- Makes surfaces easier to clean and maintain
- Provides extended wear
- Withstands pedestrian traffic
- Can be tiled or carpeted over
- Helps ensure even coverage
- Meets EPA regulations; environmentally responsible

Where to Use

LOCATION

- Vertical and horizontal
- Interior and exterior

SUBSTRATE

- Freshly placed and finished concrete
- Aged concrete floors
- Brick floors
- Terrazzo

Technical Data

Composition

Kure-N-Seal™ WB is an acrylic polymer in a co-solvent emulsion.

Compliances

- Kure-N-Seal™ WB is recommended for use on concrete floors as classified in Table 1.1, ACI Standard 302
- ASTM C 309, Type I, Class A and B (Type 1D with Fugitive Dye); meets Type 2 with white color pack
- Corps of Engineers CRD-C304, Type 1 (or 1D), Class A and B
- AASHTO M-148
- USDA compliant for use in meat and poultry areas

Typical Properties

| PROPERTY | VALUE |
|--------------------------------------|-------|
| Solids content , %, by weight | 16 |

Test Data

| PROPERTY | RESULTS | TEST METHODS |
|---|---------|---------------|
| Comparative abrasion resistance , mg lost; CS-17 Wheel, 1,000 g load, 1,000 revolutions | | Taber Abraser |
| Bare concrete | 524 | |
| Kure-N-Seal™ WB treated | 187 | |
| Moisture retention , kg/m ² applied at 200 ft ² /gal | | ASTM C 309 |
| Kure-N-Seal™ WB | 0.52 | |
| Test requirement | < 0.55 | |

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 gouged-out spots.
2. Remove all dirt, dust, oil, grease, asphalt, and foreign matter. Cleanse with caustics and detergents as required. Rinse thoroughly and allow to dry.
3. Kure-N-Seal™ WB may be applied to damp but not wet surfaces.

AGED CONCRETE

1. Restore surface to soundness by patching, grouting, filling cracks and holes.
2. Surface must also be free of any dust, dirt, and other foreign matter.
3. Use power tools or strippers to remove any incompatible sealers or coatings.
4. Clean as required, following procedure under "Newly cured bare concrete."

Application

1. Stir Kure-N-Seal™ WB thoroughly before using.
2. Apply a continuous, uniform film by solvent-resistant low-pressure spray only, short-nap roller, or lamb's wool applicator. For best results, use a Hudson® Industro® or equivalent canister curing compound sprayer. Use tip number 8004 or equivalent for water-based or waterborne products.
3. For curing, apply first coat evenly and uniformly as soon as possible after final finishing. Apply second coat when all construction is completed and structure is ready for occupancy.
4. To seal and dustproof, 2 coats must be applied. For sealing new and aged concrete, both coats are applied full strength
5. Kure-N-Seal™ WB applied at 40 to 50° F (4 to 10° C) may retain a white appearance for extended periods, depending on temperature variations. This condition is temporary. Warmer temperatures will allow the material to dry and clear.

Clean Up

Clean tools and equipment with warm water immediately after use and while Kure-N-Seal™ WB is still wet.

Drying Time

The following times assume a temperature of 65 to 85° F (18 to 29° C) and 50% relative humidity. High humidity or low temperatures will increase drying times.

Light foot traffic or between coats: 4 hours

Normal traffic: overnight

Maximum hardness: 7 days

Maintenance

1. For maximum life of coating, routinely sweep and wash with conventional cleaners and detergents.
2. Remove all abrasive grit and wipe up corrosive spills as soon as possible. Inspect application periodically for wear or breaks and gouges in the surface.
3. If required, areas can be renovated by reapplying Kure-N-Seal™ WB.

For Best Performance

- Keep from freezing.
- Thoroughly stir before and during application.
- Keep away from heat and open flame.
- Do not apply when concrete surfaces or ambient temperatures are below 40° F (4° C). For these conditions refer to Kure-N-Seal™ 25 (Form No. 1017939) or Kure-N-Seal™ 30 (Form No. 1017995).
- Application not recommended when surface temperature exceeds 120° F (49° C).
- Apply evenly at recommended coverage rates for best appearance and performance.
- If Kure-N-Seal™ WB is to be applied in or near areas containing foodstuffs, they should be removed before application.
- The small amount of solvent vapors released by Kure-N-Seal™ WB may be objectionable to people unaccustomed to the odor; do not apply Kure-N-Seal™ WB in or around buildings occupied by nonconstruction personnel without consulting building management.
- Do not apply Kure-N-Seal™ WB to the interfacing of channels to be caulked with elastomeric sealants; avoid sealant adhesion problems by masking.
- Do not use on surfaces to receive concrete overlays or additional toppings, coatings, sealers, or ceramic tile without proper surface preparation.
- Do not use in areas that require resistance to solvents.
- Do not subject to rain or water until Kure-N-Seal™ WB dries hard.
- The red hue in fugitive red dye will dissipate upon exposure to UV light.
- Although Kure-N-Seal™ WB is compatible with a variety of vinyl tile, carpet, and floor-covering adhesives, a test application is always recommended.
- Extended exposure to moisture may result in a temporary opaque condition that clears upon drying.
- Kure-N-Seal™ WB will highlight imperfections and may darken the final appearance of the concrete.
- Kure-N-Seal™ WB can be applied to colored concrete or dry-shake hardeners, but mottling may occur.

- Kure-N-Seal™ WB is considered a light-duty floor sealer; it may rubber burn when subjected to forklift traffic.
- Mechanical methods are recommended for removing Kure-N-Seal™ WB.
- 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™ WB

Caution

Kure-N-Seal™ WB contains light aromatic naphtha, 1,2,4-trimethyl benzene, and ethylene glycol.

Risks

Combustible liquid and vapor. May cause skin, eye or respiratory irritation. May cause dermatitis and allergic responses. Repeated ingestion may cause kidney damage. 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

KEEP OUT OF THE REACH OF CHILDREN. KEEP AWAY FROM HEAT, FLAME AND SOURCES OF IGNITION. Use only with adequate ventilation. Keep container closed. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapors. Use impervious gloves, eye protection and if the TLV is exceeded or if used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations. DO NOT cut or weld on or near empty container. Empty container may contain explosive vapors or hazardous residues. 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. 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 more information.

Proposition 65

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

VOC Content

2.60 lbs/gal or 311.2 g/L, less water and exempt solvents.

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

Degussa Building Systems

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