

# Sonneborn®

## Concrete Repair Systems



### SONOCONCRETE®

## KURE-N-SEAL™ WB

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

#### Features

- Efficiently retains moisture for freshly placed concrete ...
- Seals...
- Dustproofs...
- Abrasion resistant...
- Compatible with a variety of adhesives...
- Available with fugitive red dye...
- Low VOCs...

#### Benefits

- Ensures proper strength development
- Minimizes shrinkage cracking
- Surfaces easier to clean and maintain
- Extended wear
- Withstands pedestrian traffic
- Can be tiled or carpeted over
- Helps ensure even coverage
- Environmentally responsible

#### Where to Use Kure-N-Seal™ WB

- Freshly placed and finished concrete
- Aged concrete floors
- Brick floors, terrazzo
- Interior and exterior
- Vertical and horizontal

### How to Apply Kure-N-Seal™ WB

#### Surface Preparation

- 1 Newly placed concrete**  
Surface must be sound and properly finished. Surface is application ready when damp but not wet, and it can no longer be marred by foot traffic.
- 2 Newly cured bare concrete**  
Level any gouged-out spots. Remove all dirt, dust, oil, grease, asphalt, and foreign matter. Cleanse with caustics and detergents as required. Rinse thoroughly and allow to dry. Kure-N-Seal™ WB may be applied to damp, but not wet surfaces.
- 3 Aged concrete**  
Restore surface to soundness by patching, grouting, filling cracks and holes. Surface must also be free of any dust, dirt, and other foreign matter. Use power tools or strippers

to remove any incompatible sealers or coatings. 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. Canister sprayers with neoprene hoses are recommended for best results.
- 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 between 40°F and 50°F (4°C and 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

At 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

High humidity or low temperatures will increase drying times.

#### Maintenance

For maximum life of coating, routinely sweep and wash with conventional cleaners and detergents. 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. If required, areas can be renovated by reapplying Kure-N-Seal™ WB.

### For Best Performance

- **Keep from freezing.**
- **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).
- 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.
- If Kure-N-Seal™ WB is to be applied in or near areas containing foodstuffs, they should be removed before application.
- Thoroughly stir before and during 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.
- Although Kure-N-Seal™ WB is compatible with a variety of vinyl tile, carpet, and floor-covering adhesives, a test application is always recommended.
- Kure-N-Seal™ WB is considered a light-duty floor sealer; may rubber burn when subjected to forklift traffic.
- Kure-N-Seal™ WB will highlight imperfections and may darken the final appearance of the concrete.
- **For professional use only;** not for sale to or use by the general public.
- The red hue in fugitive red dye will dissipate upon exposure to UV light.
- Mechanical methods are recommended for removing Kure-N-Seal™ WB.
- Keep away from heat and open flame.
- Extended exposure to moisture may result in a temporary opaque condition that clears upon drying.
- Apply evenly at recommended coverage rates for best appearance and performance.
- Do not use in areas that require resistance to solvents.
- Do not subject to rain or water until Kure-N-Seal™ WB dries hard.
- Kure-N-Seal™ WB can be applied to colored concrete or dry shake hardeners, but mottling may occur.
- Application not recommended when surface temperature exceeds 120°F (49°C).
- Make certain the most current version of this data guide is being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by ChemRex® personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

## Technical Data

### 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 1, 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

Solids	
Content by weight, %	16
<b>Comparative Abrasion Resistance</b> <b>Taber Abraser CS-17 Wheel</b> <b>1,000 gram load for 1,000 revolutions</b>	
	<b>Milligrams lost</b>
Bare concrete	524
Kure-N-Seal™ WB treated	187

Moisture Retention Test	
ASTM C 309	
Kure-N-Seal™ WB, kg/m <sup>2</sup> (when applied at 200 sq. ft. per gallon)	.52
Test requirement, kg/m <sup>2</sup>	< .55

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

## Order Information

### Packaging

Kure-N-Seal™ WB

- 5 gallon pails (18.93 L)
- 55 gallon drums (208 L)

Shelf life is typically 1 year when stored in unopened containers under normal conditions. Keep Kure-N-Seal™ WB from freezing in the container; do not store below 35°F (2°C).

Fugitive red dye

- Pints: use 1 pint (0.47 L) per 55 gallons (208 L)
- 1.5 oz. (44 ml) per 5 gallon (18.93 L) pail.

### Color

- Milky white, dries clear. White and gray color packs available. Add 1 quart (.95 L) per 5 gallon (18.93 L) pail and mix thoroughly.

### Coverage

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

	Sq. Ft. per Gallon per Coat	M <sup>2</sup> /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, one coat may be sufficient; 2 coats, however, will give best results. To seal and dustproof, 2 coats are required.

## Caution

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

### Proposition 65

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

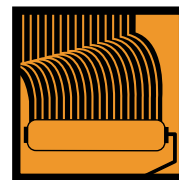
### VOC Content

311.2 g/L or 2.60 lbs. per gallon less water and exempt solvents.

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

### Limited Warranty Notice

Every reasonable effort is made to apply ChemRex® exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, CHEMREX® MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and CHEMREX® shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the ChemRex® Technical Manager.



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