

KURE-N-SEAL™ 25 LV

Low-viscosity, transparent, solvent-based, and acrylic curing, sealing, and dustproofing compound

PRODUCT DATA

3 03390

Concrete Curing

Description

Kure-N-Seal™ 25 LV is a transparent, low-viscosity, 25% solids, VOC-compliant, and solvent-based acrylic curing, sealing, and dustproofing compound designed for better application at cool temperatures. Its semi-gloss finish provides good UV resistance and gloss retention.

Yield

Ft²/gallon per coat (m²/L)

Curing only:

200 – 400 (4.9 – 9.8)

Dustproofing and sealing:

1st coat: 200 – 400 (4.9 – 9.8)

2nd coat: 400 – 600 (9.8 – 14.6)

Renovating, dustproofing, and sealing:

200 – 300 (4.9 – 7.3)

Under mastic floor adhesives:

400 – 600 (9.8 – 14.6)

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

Features

- Curing compound
- Low viscosity
- Sealer and dustproof
- Semi-gloss appearance
- Abrasion resistant
- Compatible with a variety of adhesives
- 25% solids by weight
- Available with fugitive red dye

Packaging

Kure-N-Seal™ 25 LV:
1 gallon (3.8 L) cans
5 gallon (18.9 L) pails
55 gallon (208 L) drums

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).

Color

Amber; dries clear

Shelf Life

18 months when properly stored

Storage

Store in unopened containers in a cool, clean, dry area. Keep Kure-N-Seal™ 25 LV 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
- Provides better application at cool temperatures
- Makes surfaces easier to clean and maintain
- Surfaces look newer and brighter
- Withstands foot traffic; provides extended wear
- Can be tiled or carpeted over
- Economical, VOC compliant
- Helps ensure even coverage

Where to Use

LOCATION

- Interior and exterior
- Horizontal and vertical

SUBSTRATE

- Freshly placed and finished concrete
- Aged concrete
- Exposed aggregate
- Brick
- Terrazzo

Technical Data

Composition

Kure-N-Seal™ 25 LV is an acrylic polymer resin in a solvent carrier.

Compliances

- Kure-N-Seal™ 25 LV is recommended for use on Class 1, 2, 3, and 4 concrete floors as classified in Table 1.1, ACI Standard 302
- ASTM C 309, Type 1, Class A
- ASTM C 1315, Type I, Class A (per AIM regulations)
- Corps of Engineers CRD-C304,
- Type I (or ID), Class A or B AASHTO M-148
- USDA compliant for use in meat and poultry areas, when fully cured

Test Data

PROPERTY	RESULTS	TEST METHODS
Moisture retention , kg/m ² applied at 300 ft ² /gal Kure-N-Seal™ 25 Test requirement	0.38 < 0.4	ASTM C 156
Drying time , hrs	< 4	ASTM C 1315
Solids , %	25	ASTM C 1644
Flashpoint , ° F (° C)	> 109 (> 42)	ASTM D 56
Acid and alkali resistance , at 1 and 16 hours	No effect observed	ASTM D 1308
UV light resistance	Membrane lighter than Gardner color 3	ASTM G 53
Adhesion of tile cement , psi	> 165	ASTM C 1315

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. Kure-N-Seal™ 25 LV may be applied to damp but not wet surfaces.

AGED CONCRETE

1. Restore surface to soundness by patching, grouting, and filling cracks or 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™ 25 LV thoroughly before using.
2. Apply a continuous, uniform film by low-pressure spray only, shortnap roller, or lamb's wool applicator. For best results, use a Hudson® Industro® or equivalent canister curing compound sprayer. Use a tip size of 0.8004 for water-based or waterborne products. Use a tip size of 0.11010 for solvent-based 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, apply both coats full strength.

Clean Up

Clean tools and equipment with Reducer 990 immediately after use and while Kure-N-Seal™ 25 LV is still wet.

Drying Time

At 65 to 85° F (18 to 29° C) at 50% relative humidity. High humidity will increase drying times.

Light foot traffic or between coats: 3 hours

Normal traffic: overnight

Maximum hardness : 7 days

Maintenance

Routinely sweep and wash with conventional cleaners and detergents. Remove all abrasive grit and wipe up corrosive spills as soon as possible. Inspect membrane periodically for wear or breaks and gouges in the surface. If required, areas can be renovated by reapplying Kure-N-Seal™ 25 LV to regain original gloss and protection.

For Best Performance

- Kure-N-Seal™ 25 LV may settle and must be stirred thoroughly before and during application.
- Do not thin.
- Keep away from heat and open flame.
- Application not recommended when surface temperature exceeds 120° F (49° C).
- If Kure-N-Seal™ 25 LV is to be applied in or near areas containing foodstuffs, they should be removed before application; do not return foodstuffs until Kure-N-Seal™ 25 LV 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™ 25 LV 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™ 25 LV 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 or coatings.
- Not recommended as a release agent or where other sealers or treatments are to be later applied.
- Kure-N-Seal™ 25 LV should not be used in areas requiring resistance to solvents such as gasoline, diesel fuel, or paint thinners.
- Avoid excess moisture until material is fully cured.
- The red hue in fugitive red dye will dissipate upon exposure to UV light.
- Although Kure-N-Seal™ 25 LV is compatible with a variety of tile, carpet, and floor covering adhesives, a test application is always recommended.
- Kure-N-Seal™ 25 LV can be applied to colored concrete or dry-shake hardeners, but mottling may occur. Kure-N-Seal™ 25 LV will highlight imperfections and may darken the final appearance of the concrete surface.
- Kure-N-Seal™ 25 LV 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™ 25 LV.
- 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™ 25 LV

Caution

Kure-N-Seal™ 25 LV contains naphtha-light aromatic, 1,2,4 trimethyl benzene, xylene, and mineral spirits (Stoddard type).

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. 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 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 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. KEEP OUT OF THE REACH OF CHILDREN.

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 IMMEDIATE 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 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

5.02 lbs/gal or 601 g/L, less water and exempt solvents.

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

Degussa Building Systems

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Form No. 1021473 9/03 (Replaces 1/02)
Printed on recycled paper including 10% post-consumer fiber.

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