

PRODUCT DATA

3 03 39 00 **Concrete
Curing**

KURE-N-SEAL™ 30 ES

Exempt-solvent-based, transparent, acrylic, high-gloss curing, sealing & dustproofing compound

Description

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

Yield

Ft²/gallon (m²/L) per coat:

Curing coat:

200 – 400 (4.9 – 9.8)

Dustproofing and sealing coat:

400 – 600 (9.8 – 14.7)

Renovating, dustproofing, and sealing:

200 – 300 (4.9 – 7.4)

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

Features

- 347 g/l VOC content
- 30% Solids by weight
- Solvent-based
- Abrasion resistance
- Curing compound
- Sealer and dustproof
- Yellowing resistant

Benefits

- Compliant in OTC & LADCO regulated states
- Yields attractive high gloss finish
- Excellent blush/whitening resistance
- Excellent durability to foot traffic
- Efficiently retains moisture for freshly placed concrete; ensures proper strength development; minimizes shrinkage cracking
- Makes surfaces easier to clean and maintain
- Substrates maintain their original appearance longer

Packaging

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

Color

Transparent

Shelf Life

18 months when properly stored.

Storage

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

Where to Use

APPLICATION

- Residential concrete
- Decorative concrete
- Stamped concrete
- Colored concrete

LOCATION

- Exterior

SUBSTRATE

- Freshly placed concrete
- Finished concrete
- Aged concrete

Technical Data

Composition

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

Compliances

- Recommended for concrete floors as defined in Table 2.1, ACI Standard 302.1R
- ASTM C 1315, Type 1, Class A
- ASTM C 309, Type 1, Class A and B

Test Data

PROPERTY	RESULTS	TEST METHODS
Moisture retention , kg/m ² (applied at 300 ft ² /gal)		ASTM C 156
Kure-N-Seal™ 30 ES	0.40	
Test requirement	< 0.4	
VOC content , g/l	348	
Drying time , hrs	<1	ASTM C 1315
Soilds , %	30	ASTM C 1644
Flash point , °F (°C)	>55 (>12.7)	ASTM D 56
Acid & alkali resistance , at 1 and 16 hours	Excellent	ASTM D 1308
Yellowing resistance	Excellent	ASTM G 53
Adhesion to concrete	Excellent	ASTM D 4541

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 ES thoroughly before using.
2. Apply a continuous, uniform film by an airless sprayer with a tip size of 0.519 or short 1/4" (0.64 cm) nap, solvent resistant roller cover. With roller application, keep roller wet and maintain a wet edge. Do not re-roll excessively as bubbling will occur. 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: 2 to 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 ES to regain original gloss and protection.

Clean Up

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

For Best Performance

- Kure-N-Seal 30 ES is not recommended for interior spaces with poor ventilation as the odor may be objectionable. Kure 1315 is a water-based alternative for such applications that should be considered.
- Kure-N-Seal 30 ES is a solvent-based material. Consideration should be given to the odor such solvent-based materials produce. Adjacent inhabited buildings or adjoining parklands and play areas in usage should be evaluated for the effect such odors may have on those with a high personal sensitivity to such odors.
- Application of Kure-N-Seal 30 ES is recommended between 50° F to 80° F (10° C to 27° C). To reduce incidence of bubbling of the drying film, application is recommended on cooler, overcast days or in the evening hours when ambient and substrate temperatures are dropping.
- The use of Kure-N-Seal 30 ES in rapid drying conditions is discouraged. Rapid drying conditions are characterized by direct sunlight, elevated ambient and substrate temperatures and excessive wind.
- When spraying Kure-N-Seal 30 ES it is recommended that care be given to apply the material at a distance of no more than 8 inches (20 cm) from the substrate.
- Do not thin.
- Keep away from heat and open flame.
- Application not recommended when surface temperatures exceed 80° F (27° C).
- For best appearance and performance, apply uniformly and at recommended coverage rates.
- If Kure-N-Seal™ 30 ES 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 ES 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 ES 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 ES 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.
- Kure-N-Seal™ 30 ES will highlight imperfections and may darken the final appearance of the concrete surface.
- Kure-N-Seal™ 30 ES can be applied to colored concrete or dry shake hardeners, but mottling may occur.
- Kure-N-Seal™ 30 ES 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 ES.
- 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 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™ 30 ES

WARNING!

Kure-N-Seal™ 30 ES contains tert-butyl acetate (CAS 540-88-5); Solvent naphtha (petroleum), light arom. (CAS 64742-95-6); 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (CAS 71888-89-6)

Risks

Flammable liquid and vapor. May be harmful if swallowed. May cause skin and eye irritation. Inhalation of vapors may cause irritation and intoxication with headaches, dizziness and nausea. 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 AWAY FROM HEAT, FLAME AND SOURCES OF IGNITION. Vapors are heavier than air. Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapors. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

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.

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

347 g/L less water and exempt solvents.

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

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