

DAUERSEAL 30E



Two component, water based, self priming, low build, transparent epoxy resin sealer for concrete and masonry applications.

HOW IT WORKS

Dauerseal 30E develops into a glossy, smooth coating that beautifies substrates, improves lighting conditions, provides excellent wear resistance and protects substrates from damage or disfigurement by most common chemicals, food stuffs, animal by-products and solvents.

APPLICATIONS

- ◆ For use on ACI 302, IR-04, Class 1, 2, 3 and 4 concrete floors.
- ◆ Ideal for use in food processing, institutional, correctional, warehousing, manufacturing and other related industrial applications requiring a tough, abrasion and chemically resistant concrete floor sealer.
- ◆ Use where USDA and/or FDA compliant sealers/ coatings are required.
- ◆ For use on home garage, basement and shop floors.
- ◆ For use in commercial office building mechanical rooms and stairwells.
- ◆ Designed for low build installations/applications (typically less than 4 DFM (100 microns) total).

ADVANTAGES

- ◆ Extends concrete floor life by dustproofing and hardening the surface.
- ◆ High gloss, “wet look” finish brightens workroom environments.
- ◆ Coated floors clean easily to their original beauty and resist damage and staining from most common chemicals, food stuffs and animal byproducts.
- ◆ Virtually solvent-free formulation prevents film bubbling and surface pin holes common with solvent escape in solvent based coatings.
- ◆ Excellent adhesion properties ensure coating integrity and performance.
- ◆ Ultra-low odor.
- ◆ No primer is needed and product is easily applied, reducing installation time and material costs.
- ◆ Unique formulation allows trapped water vapor to pass through coating, minimizing the possibility for surface delamination/ blistering failures common to conventional solvent based coatings.
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Meets all federal and state VOC requirements.

▲ PRECAUTIONS ▲

- ◆ Dauerseal 30E may discolor and/or chalk in exterior applications.

- ◆ Due to its amber tint, Dauerseal 30E is not recommended for application over integrally colored, stained or dyed concrete.
- ◆ Do not allow more than momentary contact with glacial acetic acid, concentrated lactic acid, concentrated nitric or sulfuric acids or some chlorinated solvents.
- ◆ Do not use where excessive moisture can contact the underside of the cured coating.
- ◆ Excessively smooth and/or dense substrates treated with Dauerseal 30E may be slick when wet or oily. In such environments, incorporation of a suitable anti-skid agent into coating is recommended.
- ◆ Protect coated surfaces from exposure to water until coating has fully cured.
- ◆ Protect from freezing. If allowed to freeze, product packaging may rupture and the emulsion stability of this product may be affected, making it difficult to keep product mixed during application. Product which is suspected of freezing should not be used.
- ◆ Verify that product is within the “USE BY” date stated on product packaging. Do not use expired product. The use of expired product may result in poor product performance or failure.
- ◆ Do not use where substrate temperatures exceed 140° F (60° C).

USE INSTRUCTIONS

- ◆ Request current (verify) product literature, labels and material safety data sheets from manufacturer in writing and read thoroughly before product use.
- ◆ Site environmental conditions, substrate conditions, and construction can have a major affect on product selection, application methods, procedures and rates, appearance and performance. Product literature provides general information applicable to some conditions. However, an adequate site test application by the purchaser or installer in advance of field scale use is mandatory (irrespective of any other verbal or written representations) to verify product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- ◆ Verify substrate temperatures are above 50° F (10° C) before applying product.
- ◆ Pot life after mixing is typically 20-30 minutes at temperatures of 68° F (20° C).
- ◆ Dauerseal 30E becomes tack-free in 6 hours at substrate temperatures of 68° F (20° C) and is ready for light foot traffic after 24 hours. Avoid heavy traffic for 72 hours for maximum abrasion and chemical resistance.
- ◆ Typical application rates on smooth concrete are approximately 300 sf/gal (7.5 sm/L) for the base coat and 400 sf/gal (10 sm/L) for the topcoat(s). The actual material required to provide uniform coverage and appearance is dependent on substrate profile and porosity.



SURFACE PREPARATION

- ◆ Surfaces to be treated must be a minimum of 30 days old and free from surface accumulations of dust, dirt, oil, debris, curing compounds, bondbreakers, sealers, rubber tire residue, paints, etc. which would interfere with product adhesion. Mechanical scrubbing is recommended.
- ◆ New, clean concrete surfaces should be acid etched to an equivalent of a 100 grit sandpaper prior to sealer installation. Old floors should be mechanically or chemically cleaned (sandblasted, abrasive shot blasted, scarified, etc.) to remove surface contaminants and acid etched.

SEALING

- ◆ Mix individual components thoroughly, then mix components A and B together with mechanical mixer for 2 minutes (use watch).
- ◆ Product is self priming. Apply basecoat with airless sprayer or roller at the rate of 300 sf/gal (7.5sm/L). If spray applied, best results are obtained if product is backrolled. Use a 3/8-inch (1.° Cm) nap roller cover with an 18-inch (45 cm) roller applicator.
- ◆ As soon as applied film loses its white color, promptly backroll to achieve uniform distribution.
- ◆ When basecoat is tack-free (typically 6 hours at 68° F or 20° C substrate temperatures) promptly apply topcoat at the rate of 400 sf/gal (10 sm/L).
- ◆ As soon as topcoat film loses its white color, promptly backroll to a uniform and continuous surface film.
- ◆ If additional coat(s) are necessary, apply promptly on prior coat reaching tack free state and backroll as per previous application. If recoating window is exceeded, lightly sand surface with fine paper. Clean surfaces and recoat as per above.
- ◆ Discard unused material from sprayer or roller pan promptly following application. Discard used rollers, brushes, etc. as they cannot be cleaned satisfactorily. If a sprayer is used, be certain to clean sprayer completely with soap and water after use and before sprayer is to be shut down for more than 20 minutes.

MAINTENANCE

- ◆ Regular sweeping and washing of treated surfaces is recommended. Do not use steam or hot water over 140° F (60° C).
- ◆ Worn or damaged areas should be cleaned and recoated.

TECHNICAL DATA

Density	8.5 lbs./gal (1.01 kg/L)
Pot Life	30 min. @ 68° F (20° C)
Mix Ratio	1:1
Nonvolatiles	30%
Taber Abrasion CS17, 1 Kg, 100° Cy	83 TWI
Elongation	4%
Tensile	3900 psi (34 Kpa)
Pencil Hardness	3H
Flash Point C.O.C.	>200° F (>93° C)
VOC, ASTM D2369	<170 g/L
VP	<14 mmHg @ 20° C

TEST DATA

Provides 1-hour spot resistance to these chemical substances with little if any structural effect on the coating:

12N Hydrochloric Acid	1N Lactic Acid	2N Acetic Acid
5N Sulfuric Acid	7N Sodium Hydroxide	Antifreeze
Avgas	Brake Fluid	Butyl Alcohol
Dairy Products	Dairy Whey	Deicing Salts
Diesel Fuel	Fatty Acids	Fruit Juice
Gasoline	Hydraulic Oil	Isobutanol
Isopropanol	Jet fuel A	Ketones
Manure	Petroleum Oil	Propyl Alcohol
Skydrol	Toluene	Trichloroethane
Urine	Vegetable Extracts	Vegetable Oil
Water	Xylene	

PACKAGING

Packaged in 4 gal (15 L) kits.

SHELF LIFE

Shelf life is one year. Use before the "USE BY" date stated on product packaging.

HANDLING/STORAGE

Store in a dry location within a temperature range between 40° F (4° C) and 100° F (38° C).

AVAILABILITY & TECHNICAL SERVICES

In addition to corporate offices in Omaha, Nebraska, NOX-CRETE Products Group maintains regional offices and distribution centers in principal markets throughout the world. For source or technical information, call 800-669-2738 or 402-341-2080.

LIMITED WARRANTY

NOTICE-READ CAREFULLY

CONDITIONS OF SALE

NOX-CRETE offers this product for sale subject to, and Buyer and all users are deemed to have accepted, the following conditions of sale and limited warranty which may only be varied by written agreement of a duly authorized corporate officer of NOX-CRETE. No other representative of or for NOX-CRETE is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

NOX-CRETE warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, NOX-CRETE will replace the defective product with new product without charge to the purchaser.

NOX-CRETE makes NO OTHER WARRANTY, either express or implied, concerning this product. There is NO WARRANTY OF MERCHANTABILITY. In no case shall NOX-CRETE be liable for special, indirect or consequential damages resulting from the use or handling of the product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which damages are claimed.

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