

## DAUERSEAL 60E



Two component, water based, low build, pigmented epoxy coating/sealer for interior concrete.

### HOW IT WORKS

Dauerseal 60E develops into a glossy, smooth coating that colors and 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

- ◆ Use on industrial concrete or masonry floors and walls.
- ◆ Use on ACI 302, IR-04, Class 1, 2, 3 and 4 concrete floors.
- ◆ Use where USDA and/or FDA compliant sealers/coatings are required.
- ◆ Ideal for use in warehouses; food, pharmaceutical or chemical manufacturing/processing facilities; vehicle showrooms; maintenance facilities; animal confinement structures; correctional and institutional facilities, etc.
- ◆ Designed for low build installations/applications (typically less than 4 DFM/100 microns total).

### ADVANTAGES

- ◆ Pigmented formulation provides a uniform surface appearance that beautifies concrete floors that have been stained or patched.
- ◆ 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.
- ◆ Unique formulation allows trapped water vapor to pass through coating, minimizing the possibility for surface delamination and blistering failures.
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Meets all federal and state VOC requirements.

### ▲ PRECAUTIONS ▲

- ◆ Dauerseal 60E may discolor and/or chalk in exterior applications.
- ◆ Do not use where excessive moisture can contact the underside of the cured coating.
- ◆ Do not allow more than momentary contact with chlorinated

solvents or concentrated acids. Use of Dauerseal FDA topcoat is recommended for use in these harsh environments.

- ◆ Excessively smooth and/or dense substrates treated with Dauerseal 60E may be slick when wet or oily. In such environments, incorporation of suitable anti-skid agent into coating is recommended.
- ◆ 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 200° F (93° C).
- ◆ Protect coated surfaces from exposure to water until coating has fully cured.

### 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 30-60 minutes at temperatures of 68° F (20° C).
- ◆ Typically tack-free in 12 hours at substrate temperatures of 68° F (20° C). Ready for light foot traffic after 24-36 hours. Maximum abrasion and chemical resistance may require up to 7 days to fully develop depending on curing conditions; avoid heavy traffic during this time.
- ◆ Typical application rates on smooth, etched, Primed concrete are approximately 200 sf/gal (5.0 sm/L) for the base coat and 300 sf/gal (7.5 sm/L) for the top coat. Actual product required for uniform coverage and desired appearance depends 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 Primer (Prime 40E) 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.

## PRIMING

- ◆ Mix Prime 40E components A and B together with a mechanical mixer for 2 minutes (use watch).
- ◆ Apply using brush, roller or airless sprayer. If a sprayer is used, promptly back roll applied product with long nap mohair roller to shear material into substrate and achieve uniform distribution.
- ◆ Allow Primer to reach a tack-free state (typically 6-8 hours) at 70° F (20° C) and apply base coat. Do not allow Primer to cure more than 14 hours before recoating to avoid sanding and repriming.

## COATING

- ◆ Mix Dauerseal 60E component A and pigment pak together with mechanical mixer for 3 minutes (use watch). After mixing, combine with component B and mix for an additional 3 minutes. Move mixed product to a clean container and remix for an additional 2 minutes.
- ◆ Apply by airless sprayer, squeegee or roller to uniform film depth. Do not exceed 200 sf/gal (5 sm/L) per application.
- ◆ If an anti-skid agent is to be incorporated, install the base coat and allow to cure until tack free, but not more than 14 hours. Apply a top coat of Dauerseal 60E and seed anti-skid into wet top coat. Promptly roll seeded surface with 3/8 inch (1.0 cm) nap roller wetted with top coat to uniformly disperse anti-skid. Apply successive top coats until anti-skid diameter is 75% covered by coating.
- ◆ 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 shutting down sprayer for more than 20 minutes.

## MAINTENANCE

- ◆ Regular sweeping and washing of treated surfaces is recommended. Do not use steam for more than momentary contact.
- ◆ Worn or damaged areas should be promptly retreated with adequate prior preparation.

## TECHNICAL DATA

Density	8.6 lbs./gal. (1.03 kg/L)
Pot Life	30 min. @ 68° F (20° C)
Mix Ratio	1:1.5
Nonvolatiles	60%
Taber Abrasion CS17, 1 Kg, 1000 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	<100 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 3 gal (11.3 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

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#### WARRANTY LIMITATION

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