

## SPARKL-SEAL E

Premium, water based, transparent, medium gloss, acrylic decorative concrete cure and sealer.



VOLATILE ORGANIC COMPOUND (VOC)  
REGULATORY COMPLIANCE

USEPA  
CARB-SCM  
SCAQMD  
LADCO, OTC  
UT-R307, CO  
MCAQD  
CT, MD, DE, D.C., N.Y.  
CANADA

SPARKL-SEAL E ■ ■ ■ ■ ■ ■ ■ ■ ■ ■

### HOW IT WORKS

SPARKL-SEAL E is a water-based acrylic sealer designed for application to both interior and exterior decorative concrete surfaces. SPARKL-SEAL E forms a tough, hard, non-yellowing film that beautifies seals and protects concrete surfaces creating a slightly darkened appearance with a medium gloss sheen.

### APPLICATIONS

- ◆ Use to seal, waterproof and protect all types of horizontal and vertical surfaces.
- ◆ Ideal for beautifying and protecting acid-stained, stamped, integrally colored and shake-on colored concrete, exposed aggregate and cementitious overlays.
- ◆ Use as an anti-graffiti coating to protect concrete surfaces from most aerosol spray paints.
- ◆ In some decorative concrete applications, SPARKL-SEAL E can also be used as both a cure and seal.

### ADVANTAGES

- ◆ ASTM C309, Type 1, Class A&B; and, AASHTO M148, Type 1, Class A and B.
- ◆ Compliant with USDA requirements for incidental food contact.
- ◆ Contains special UV inhibitors designed to maximize resistance to ultra-violet degradation from the sun – maximum resistance to yellowing and chalking.
- ◆ Dries quickly and can be easily top-coated.
- ◆ High moisture vapor permeability (MVP) properties provide excellent resistance to blistering.
- ◆ Protects sealed surfaces from the damaging effects of water, deicing salts and acid rain.
- ◆ Minimizes concrete surface spalling due to moisture absorption and freeze/thaw related damage.
- ◆ Prevents unsightly absorption of dirt, food products, oil and grease.
- ◆ Prevents staining and deterioration from urine and feces.
- ◆ Minimizes surface discoloration (whiting) resulting from efflorescence.
- ◆ Provides excellent 24-hour spot resistance to many commonly used chemical substances.
- ◆ Safe for use in interior applications where conditions prohibit the use of conventional solvent-based sealers.
- ◆ A non-slip additive is available for improved slip resistance.
- ◆ Green Engineered – better for health and the environment.

### ▲ PRECAUTIONS ▲

- ◆ Acid-stained concrete must be cleaned of all salt deposits and neutralized before applying SPARKL-SEAL E. Using a stiff bristle scrub brush, wash the floor with a sodium hydroxide solution, thoroughly rinse with water and allow to dry. Use litmus paper to verify that the floor has a pH greater than 7 before applying SPARKL-SEAL E.
- ◆ Do not apply where excessive moisture could contact the underside of applied SPARKL-SEAL E.
- ◆ Do not use on concrete surfaces with inadequately drained subgrade or on treated surfaces to be covered with concrete or plaster.
- ◆ Sealer delamination (blistering) may occur if applied to fresh concrete prior to allowing all surface bleed water to fully evaporate. A moisture saturated subgrade or a moisture barrier placed beneath the concrete slab may also increase the risk of sealer delamination.
- ◆ Do not use with other floor sealers, treatments, bondbreakers or adhesives without prior site test to determine compatibility and adhesion.
- ◆ Any variations in concrete surface density may be highlighted by surface mottling after product application. Perform a test application to verify performance and appearance acceptability.
- ◆ To prevent sealer blushing in interior applications, ensure adequate ventilation to remove excess humidity.
- ◆ Sealed surfaces may become slippery when wet with water or other liquids.
- ◆ Exterior sealed surfaces will slowly oxidize in time, eventually necessitating reapplication.
- ◆ Not recommended for application to frozen concrete surfaces or when ambient or substrate temperatures are below 50° F (10° C) and/or if ambient temperature is expected to drop below 50 F (10° C) within 12 hours following application.
- ◆ Best results are obtained when SPARKL-SEAL E is applied during the morning or evening hours and not in the direct sunlight. Application of SPARKL-SEAL E in direct sunlight or under extremely hot and/or windy conditions can result in bubbling or blistering.
- ◆ Avoid over-application. Apply in one or two light coats. Over application may interfere with moisture vapor transmission properties which can lead to sealer blistering and delamination.
- ◆ Due to the more restrictive air quality regulations written by certain VOC management districts regulating the use of architectural coatings, this product may be prohibited from use as a concrete sealer, but still permissible for use as a concrete curing compound.

SPARKL-SEAL E

Decorative Acrylic Sealer



chemical solutions to concrete problems

## USE INSTRUCTIONS

- ◆ Request current product literature, labels and safety data sheets from manufacturer and read thoroughly before product use.
- ◆ Site environmental conditions, substrate conditions and concrete mix design have a major effect on product selection, application methods, procedures and rates, appearance and performance. Product literature provides general information applicable to some conditions. However, an adequate production 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 that product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- ◆ Remove existing sealers with Nox-Crete's DECO-STRIP or DECO-PEEL and allow to dry a minimum of 48 hours prior to application of SPARKL-SEAL E.
- ◆ Product can be applied with an airless sprayer, handpump tank sprayer, roller applicator or brush. Use a .017 or .019 spray tip for airless spray application. Use an 8006 LP spray nozzle for application with a handpump, low pressure sprayer. For roller application, use a roller applicator equipped with a 3/8 (10mm) nap cover.
- ◆ Do not thin or dilute.
- ◆ Application rates vary with substrate conditions. Suggested application rate for sealing is 200 sf/gal (4.9 sm/L) per application. Best results are obtained when only one or two light coats are applied.
- ◆ Once the first coat has dried, a second coat can be applied. Apply second coat at right angle to the first coat.

## MAINTENANCE

- ◆ Wipe up all chemical, solvent or petroleum spills as soon as possible.
- ◆ Remove dirt and debris by sweeping.
- ◆ Wash periodically with low pressure water and scrub brush to help maintain surface luster.
- ◆ Clean damaged coating areas promptly and recoat.

## TECHNICAL DATA

	SPARKL-SEAL E
Color	Milky White
Clarity	Opaque
Odor	Mild
Bulk Density	8.4 lbs./gal. (1007 g / L)
VOC	<180 g / L
Flash	>200° F (93° C)
Dry (Dust-Tack Free)	20 min.
Dry (Light Traffic)	12 hours
Dry (Normal Traffic)	24 hours

Complies with ASTM C-309, Type 1, Class A & B and AASHTO M 148, Type 1, Class B. Compliant with USDA requirements for incidental food contact.

## PACKAGING

Product is packaged in 1 gal (3.8 L) jugs, 5 gal (19 L) and 55 gal (208 L) drums.

## 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 INC. 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.

#### INHERENT RISKS

NOX-CRETE MAKES NO WARRANTY WITH RESPECT TO THE PERFORMANCE OF THE PRODUCT AFTER IT IS APPLIED BY THE PURCHASER, AND PURCHASER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OR APPLICATION OF THE PRODUCT.