

# SPARKL-SEAL VOC

Solvent based, high gloss, transparent, acrylic polymer decorative concrete sealer.

Meets Federal VOC Requirements = SPARKL-SEAL VOC

Meets Lower VOC Requirements = SPARKL-SEAL LVOC

## HOW IT WORKS

SPARKL-SEAL VOC forms a tough, hard, non-yellowing film for both interior and exterior applications. The beauty of all treated surfaces is enhanced by producing a "wet look" appearance with a high gloss sheen. Applied to freshly placed and finished concrete, SPARKL-SEAL VOC creates a vapor seal that retains moisture for proper curing.

- ◆ Complies with ASTM C 309, Type 1, Class A & B; ASTM C 1315, Type 1, Class A & B; and, AASHTO M 148, Type 1, Class B. Compliant with USDA requirements for incidental food contact.
- ◆ SPARKL-SEAL VOC meets all federal VOC requirements. SPARKL-SEAL LVOC is VOC compliant in all U.S. states.

## APPLICATIONS

- ◆ Use to seal and protect all types of horizontal and vertical surfaces.
- ◆ Ideal for beautifying and protecting stamped concrete, acid stained concrete, integrally colored concrete, exposed aggregate and cementitious overlays.
- ◆ Use as an anti-graffiti coating to protect concrete surfaces from most aerosol spray paints.

## ADVANTAGES

- ◆ Contains special U.V. inhibitors designed to maximize resistance to ultra-violet degradation from the sun.
- ◆ Dries rapidly and has excellent recoatability characteristics.
- ◆ Protects sealed surfaces from the damaging effects of water, deicing salts and acid rain.
- ◆ Minimizes spalling due to moisture absorption and freeze/thaw related damage.
- ◆ Prevents unsightly absorption of dirt, oil and grease.
- ◆ Prevents staining and deterioration from airborne dirt, food products, urine and feces.
- ◆ Minimizes efflorescence on decorative concrete surfaces.
- ◆ SPARKL-SEAL VOC films provide good 24-hour spot resistance to many common chemical substances with little, if any, coating effect.
- ◆ Protects subsequent applications of carpeting or vinyl composition tile from efflorescence, attack by alkaline salts and dusting.
- ◆ A non-slip additive is available for improved slip resistance.
- ◆ For a less glossy finish, a flattening agent is available that reduces the normal gloss level of SPARKL-SEAL VOC by up to 40%.

## ▲ PRECAUTIONS ▲

- ◆ Do not use on concrete less than 28 days old.
- ◆ Acid stained floors must be neutralized before applying SPARKL-SEAL E. Wash the floor with a sodium hydroxide solution and 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. Lower pH levels may cause discoloration and uneven film formation of SPARKL-SEAL E.
- ◆ Do not apply where moisture could contact the underside of applied SPARKL-SEAL E films.
- ◆ Do not use on concrete slabs with inadequately drained subgrade or treated surfaces to be covered with concrete or plaster.
- ◆ Coating delamination (blistering) may occur if applied prior to allowing all surface bleed water to fully evaporate. A moisture saturated subgrade or a moisture barrier placed beneath the slab to be cured and/or sealed may increase the risk of coating 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. Make test application to determine performance and appearance acceptability.
- ◆ Do not use around sparks or open flame. Provide adequate ventilation.
- ◆ Treated surfaces may be slippery prior to drying and when wet with water or liquids after drying.
- ◆ May damage vegetation or painted surfaces with contact.

SPARKL-SEAL VOC

Sealers - Clear Acrylic



chemical solutions to concrete problems

- ◆ When used in exterior applications, coated surfaces will ultimately oxidize in time, necessitating reapplication.

## USE INSTRUCTIONS

- ◆ Request current product literature, labels and material safety data sheets from manufacturer and read thoroughly before product use.
- ◆ Site environmental conditions, substrate conditions and construction 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 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 that product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- ◆ Airless spray application provides the best results, however, product can also be applied with a handpump, low pressure 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 9" inch or 18" inch roller applicator equipped with a 3/8" inch nap cover.
- ◆ Do not thin or dilute.
- ◆ Application rates vary with substrate conditions. Approximate rate for curing is 250 sf/gal. (6.1 sm/l) per application. Approximate rate for sealing is 300 sf/gal. (7.4 sm/l) per application.
- ◆ Application equipment should be cleaned with aromatic solvents such as xylene or aromatic 100. (Read vendor's MSDS before use.)
- ◆ Remove all dirt, oil, grease, paint or foreign cure residue with NOX-CRETE'S BIO-CLEAN or BIO-STRIP and clean with a solution of trisodium phosphate detergent and water. Rinse thoroughly with water and allow to dry a minimum of 48 hours prior to application of product.
- ◆ Apply to the point of saturation and appearance of continuous surface film.
- ◆ Apply all subsequent coat(s) at right angles to the previously applied coat once the previous coat is dry.

### 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 VOC	Sparkl-Seal LVOC
Color	Water White	Water White
Clarity	Clear	Clear
Odor	Solvent	Solvent
VOC	<700 g/l	<400 g/l
VP	<7 mmHg @ 20° C	<30 mmHg @ 20° C
Bulk Density	7.46 lbs./gal. (910 g/l)	7.59 lbs./gal. (910 g/l)
Flash Point (PMCC)	>80° F (27° C)	>40° F (4° C)
Dry (Dust/Tack Free)	2 hrs	30 mins
Dry (Light Traffic)	12 hrs	12 hrs
Dry (Normal Traffic)	24 hrs	24 hrs

Complies with ASTM C 309, Type 1, Class A & B; ASTM C 1315, Type 1, Class A & B; and, AASHTO M 148, Type 1, Class B. Compliant with USDA requirements for incidental food contact.

## PACKAGING

Packaged in 1 gal (3.8 l) jugs, 5 gal (19 l) pails 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 Products Group maintains regional offices and distribution centers in principal markets throughout the world. For source or technical information, phone (800) 669-2738 or (402) 341-1976.

## 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.