

## VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE

# SPARKL-SEAL

Premium, solvent based, transparent, high gloss, acrylic polymer, decorative concrete cure and sealer.

	USEPA	CARB-SCM	SCAQMD	LADCO, OTC	UT-R307, CO	MCAQD	CT, MD, DE, D.C., N.Y., MI	CANADA
<b>SPARKL-SEAL 100</b>	■	□	□	■	■	■	■	■
<b>SPARKL-SEAL 350</b>	■	□	□	■	□	□	□	■
<b>SPARKL-SEAL 700</b>	■	□	□	□	□	□	□	□

## HOW IT WORKS

SPARKL-SEAL provides a tough, hard, non-yellowing film for exterior applications. The beauty of all treated surfaces is enhanced by producing a “wet look” appearance with a high gloss sheen.

## APPLICATIONS

- ◆ Use to seal, waterproof 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.
- ◆ In some decorative concrete applications, SPARKL-SEAL can also be used as both a cure and seal.

## ADVANTAGES

- ◆ Available in three different versions to comply with federal and regional VOC requirements.
- ◆ Sparkl-Seal 100, 350 and Sparkl-Seal 700 comply with ASTM C309, Type 1, Class A&B; and AASHTO M148, Type 1, Class 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.
- ◆ A non-slip additive is available for improved slip resistance.
- ◆ For a less glossy finish, a flattening agent is available that reduces gloss by up to 40%.

## ▲ PRECAUTIONS ▲

- ◆ Due to the extremely low flash point, SPARKL-SEAL is only recommended for exterior applications and is NOT recommended for interior or enclosed applications.
- ◆ Acid-stained concrete must be cleaned of all salt deposits and neutralized before applying SPARKL-SEAL. 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.
- ◆ Do not apply where excessive moisture could contact the underside of applied SPARKL-SEAL.
- ◆ 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.
- ◆ Do not use around sparks or open flame. Provide adequate ventilation.
- ◆ Sealed surfaces may become slippery when wet with water or other liquids.
- ◆ May damage vegetation or painted surfaces with contact.
- ◆ 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 40° F (4° C) and/or if ambient temperature is expected to drop below 40 F (4° C) within 12 hours following application.
- ◆ Best results are obtained when SPARKL-SEAL is applied during the morning or evening hours and not in the direct sunlight. Application of SPARKL-SEAL in direct sunlight or under extremely hot and/or windy conditions can result in bubbling or blistering.

SPARKL-SEAL

Decorative Acrylic Sealer



chemical solutions to concrete problems

- ◆ 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 the use as a concrete curing compound.

## 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.
- ◆ 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 300 sf/gal (7.4 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 100	SPARKL-SEAL 350	SPARKL-SEAL 700
<b>Color</b>	Water White	Water White	Water White
<b>Clarity</b>	Clear	Clear	Clear
<b>Odor</b>	Solvent	Solvent	Solvent
<b>VOC ASTM 2369</b>	<100 g / L	<350 g / L	<700 g / L
<b>Bulk Density</b>	10.24 lbs. / gal (1227 g / L)	9.10 lbs. / gal (1090 g / L)	7.5 lbs. / gal (906 g / L)
<b>Flash Point (PMCC)</b>	>103° F (>39° C)	>70° F (>21° C)	>80° F (>26° C)
<b>Dry (Dust/Tack Free)</b>	30 minutes	30 minutes	30 minutes
<b>Dry (Light Traffic)</b>	12 hours	12 hours	12 hours
<b>Dry (Normal Traffic)</b>	24 hours	24 hours	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 and 5 gal (19 L) pails.

## SHELF LIFE

Shelf life is two years. 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.