



SPARKL-SEAL E

Penetrating, transparent, medium gloss,
water based acrylic concrete and masonry sealer.

HOW IT WORKS

SPARKL-SEAL E provides a medium gloss integral film that fills hairline micro cracks and consolidates loose particles in concrete and aggregate, increasing integral strength and minimizing spalling due to moisture absorption and freeze/thaw damage.

APPLICATIONS

- ◆ Use on vertical or horizontal textured concrete, acid stained concrete, exposed aggregate, stone and masonry surfaces.
- ◆ For interior or exterior use.

ADVANTAGES

- ◆ Seals and protects surfaces from absorption and damage from water, deicing salt, dirt, grease and oil.
- ◆ Prevents substrate bonding and penetration of most aerosol paint, facilitating easier removal of graffiti.
- ◆ Enhances surface colors with a medium gloss, "wet look" shine that will not yellow.
- ◆ Minimizes efflorescence and mortar leaching staining and damage on brick and concrete block walls.
- ◆ Treated surfaces last longer and cost less to maintain.
- ◆ Dries rapidly and has excellent re-coatability characteristics.
- ◆ Can be applied to concrete and masonry surfaces containing cured polyurethane, polysulfide or silicon joint sealants without adversely affecting sealants performance.
- ◆ Safe to use in interior environments where conditions prohibit use of conventional solvent based sealers. Very low odor.
- ◆ Apply over NOX-CRETE'S STIFEL silane sealers for increased dampproofing protection for exceptionally porous substrates.
- ◆ SPARKL-SEAL E films provide good 24-hour spot resistance to the following chemical substances with little, if any, coating effect:

antifreeze	fatty acids	deicing salts
diesel fuel	foods	fruit juices
mineral spirits	urine	petroleum oil
methanol	glycol ether	vegetable oil
feces	water	vegetable extracts
dairy whey	power steering fluid	
- ◆ Green Engineered™ – better for health and the environment.

- ◆ Meets all federal and state VOC requirements.

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.
- ◆ Application to substrates that are not completely dry can result in adhesion failure and/or can trap moisture, causing a mottled surface appearance.
- ◆ May damage vegetation or painted surfaces with contact.
- ◆ 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.

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 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.

SPARKL-SEAL E

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cures, sealers & hardeners



chemical solutions to concrete problems

- ◆ Typical application rate for brick, aggregate, dense concrete, etc. is 200 sf/gal (5 sm/l). Typical application rate for porous concrete, split-face block, etc. is 100 sf/gal (2.5 sm/l).
- ◆ Best results are obtained when product is applied at substrate temperatures in excess of 55° F (13° C). Product can be applied at lower substrate temperatures above freezing, but extended product cure time is required. Do not apply at air or substrate temperatures at or below freezing or when such temperatures are expected within 6 hours following application.
- ◆ Substrate to be sealed should be at least 28 days old and dry and clean of any grease, oil, bondbreaker residue, foreign curing compound residue, paint or other substances that could interfere with the adhesion of SPARKL-SEAL E.
- ◆ Etch excessively smooth or dense (hard steel trowelled) finishes or those evidencing laitance accumulations with suitable acid material to provide adequate bonding surface.
- ◆ Rinse surfaces thoroughly and apply SPARKL-SEAL E when substrate is completely dry. Successive application(s) can be applied approximately 2-4 hours later.
- ◆ Do not thin or dilute. Mix well before using.
- ◆ Apply with squeegees, rollers or sprayers. NOX-CRETE'S PERFECT FORMAND CONCRETE SPRAYER is recommended. Best results are obtained if product is immediately back rolled when spray applied in order to shear material and force it into macro-pores.
- ◆ Spread product to penetrate and fill concrete surface pores. Do not allow more than approximately 4 wet mils (0.1 mm) to accumulate on surface per coat.
- ◆ As soon as applied film loses its white color, immediately backroll with short nap roller to a continuous surface film condition.
- ◆ Apply all subsequent coat(s) at right angles to achieve desired gloss.
- ◆ Application equipment should be cleaned promptly following use with soap and water.

MAINTENANCE

- ◆ For maximum coating life and performance, wipe up all chemical, solvent or petroleum spills as soon as possible.
- ◆ Periodic washing with detergents and buffing help maintain surface luster.
- ◆ Where films have been damaged, clean areas as required and recoat.

TECHNICAL DATA

Color	Milky White Liquid
Clarity	Opaque
Odor	Mild, Organic
Bulk Density	8.4 lbs./gal. (1007 g/l)
VOC	<350 g/l
VP	14 mmHg @ 20° C
Flash	>200° F (93° C)
Viscosity	6 centipoise
Dry (Dust-Tack Free)	20 Min.
Dry (Hard)	2-4 Hours

PACKAGING

Product is packaged in 1 gal (3.8 l) jugs, 5.28 gal (20 l) bag-in-a-box 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.