



SPARKL-SEAL E

Water based, transparent, medium gloss,
acrylic decorative concrete 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 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

- ◆ 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 on decorative concrete surfaces.
- ◆ Treated surfaces last longer and cost less to maintain.
- ◆ Dries rapidly and has excellent re-coatability characteristics.
- ◆ 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 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.
- ◆ 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.
- ◆ 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.
- ◆ 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.
- ◆ 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.
- ◆ When used in exterior applications, coated surfaces will ultimately oxidize in time, necessitating reapplication.
- ◆ 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.

SPARKL-SEAL E

Sealers - Clear Acrylic



chemical solutions to concrete problems

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.
- ◆ Typical application rate is 200 sf/gal (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 40° F (4° C) or when such temperatures are expected within 6 hours following application.
- ◆ Substrate to be sealed should be at least 28 days old.
- ◆ 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.
- ◆ 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.
- ◆ 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.
- ◆ 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 previous coat when dry.
- ◆ Application equipment should be cleaned promptly following use with soap and water.

Updated 10/22/10. This version supersedes all previous versions.

Maintenance

- ◆ For maximum coating life and performance, wipe up all chemical, solvent or petroleum spills as soon as possible.
- ◆ Wash periodically with low pressure water and scrub brush to 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
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, 5.28 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.

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