

RICHSEAL 250 LVOC

Better, solvent based, transparent, high gloss, acrylic polymer, decorative concrete sealer.

VOLATILE ORGANIC COMPOUND (VOC)
REGULATORY COMPLIANCE

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

RICHSEAL 250 LVOC 

HOW IT WORKS

RICHSEAL 250 LVOC 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.

ADVANTAGES

- ◆ Contains special UV inhibitors designed to reduce ultra-violet degradation from the sun.
- ◆ Dries rapidly and has excellent re-coatability 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.
- ◆ RICHSEAL 250 LVOC 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 RICHSEAL 250 LVOC by up to 40%.

▲ PRECAUTIONS ▲

- ◆ Due to the extremely low flash point, RICHSEAL 250 LVOC is only recommended for exterior applications and is NOT recommended for interior or enclosed applications.
- ◆ Acid stained floors must be neutralized before applying RICHSEAL 250 LVOC. 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 RICHSEAL 250 LVOC.
- ◆ Do not apply where moisture could contact the underside of applied RICHSEAL 250 LVOC.
- ◆ 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.
- ◆ Coated surfaces will ultimately oxidize in time, necessitating reapplication.
- ◆ Not recommended for application to frozen concrete surfaces or when ambient temperatures are below 40° F (4° C) and/or are expected to drop below 40 F (4° C) within 12 hours following application.
- ◆ Do not apply RICHSEAL 250 LVOC to concrete if substrate temperatures are below 40° F (4° C) or above 85° F (29° C). Best results are obtained when RICHSEAL 250 LVOC is applied during the morning or evening hours and not in direct sunlight. Application of RICHSEAL 250 LVOC in direct sunlight and under extremely hot conditions can result in solvent bubbling or blistering.

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Decorative Acrylic Sealer



chemical solutions to [concrete](#) problems

- ◆ Avoid applying RICHSEAL 250 LVOC in windy conditions, which can interfere with product performance and appearance.
- ◆ Avoid over-application. Apply one to two light coats. Over application may prohibit vapor transmission and lead to blistering and delamination of the sealer.

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.
- ◆ Product can 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 roller applicator equipped with a 3/8 (10mm) nap cover.
- ◆ Do not thin or dilute.
- ◆ Application rates vary with substrate conditions. Approximate rate for sealing is 300 sf/gal (7.4 sm/L) per application.
- ◆ 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.
- ◆ If necessary, remove existing sealers with Nox-Crete's DECO-STRIP, DECO-PEEL, DECO-PEEL CPC, or ARO-PEEL (Canada).
- ◆ Apply to the point of saturation and appearance of continuous surface film.
- ◆ Apply all subsequent coat(s) at right angles to previous coat when 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

	RICHSEAL 250 LVOC
Percent Solids	25%
Color	Water White
Clarity	Clear
Odor	Solvent
VOC	<400 g/L
VP	<30 mmHg @ 20° C
Bulk Density	7.4 lbs./gal (890 g/L)
Flash Point (PMCC)	>40 F (4° C)
Dry (Dust/Tack Free)	30 minutes
Dry (Light Traffic)	12 hours
Dry (Normal Traffic)	24 hours

Compliant with USDA requirements for incidental food contact.

PACKAGING

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

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.