DURO-POLISH PLUS

VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE

New generation, water based, ultra-high gloss, metal cross-linked, concentrated, synthetic polymer concrete floor polish with special stain blocking additive.

	USEPA	OTC	CARB-SCM	SCAQMD	LADCO	UT-R307	MCAQMD	CANADA	CT, MD, DE, D.C.
DURO-POLISH PLUS	■	■	■	■	■	■	■	■	■

HOW IT WORKS

The small molecular size and low molecular weight of DURO-POLISH PLUS allows deep penetration, providing a very hard, high gloss, non-slip surface and stain resistant finish. A unique stain blocking additive penetrates concrete micro-pores and chemically bonds, providing long-lasting stain resistance to most inorganic and organic contaminants found in food stores, restaurants, warehouses and distribution centers.

APPLICATIONS

- For use on all interior, smooth finished, liquid silicate or siliconate treated concrete floor surfaces to generate an immediate high gloss, non-slip and stain resistant floor finish.
- Ideal for protecting all high-cost integrally colored and plain colored concrete floors from the absorption of spills resulting in unsightly stains.
- Excellent for wholesale and retail warehouse and distribution center floors, convention center floors, stadium concourse floors, grocery store floors and restaurant floors.

ADVANTAGES

- Provides 24-hour stain protection to the most common stain-causing agents found in grocery stores, restaurants, warehouses and distribution centers.
- Treated floors exhibit exceptional gloss and long-lasting stain protection.
- Does not require buffing.
- Increases slip resistance. Meets static coefficient of friction requirements of ASTM D-2047.
- Scuff and scratch resistant.
- Durable.
- Retains high gloss under scrubbing.
- Exposure to periodic dripping of hot oils will not stain or remove DURO-POLISH PLUS, making it ideal for use in food preparation areas.
- Rejuvenates with dry buffing.
- Easy to apply and reapply.
- Safe to use -- water based, low odor, no fumes.
- DURO-POLISH PLUS is VOC compliant in all states and Canada.

⚠ PRECAUTIONS ⚠

- Recommended for interior use only.
- Applied DURO-POLISH PLUS should be allowed to cure for a minimum of 7 days before cleaning.
- The use of ammonia or amine containing cleaners or detergents will cause irreparable damage to DURO-POLISH PLUS, necessitating reapplication to restore gloss. Please see MAINTENANCE for cleaning recommendations.
- The stain protection properties of DURO-POLISH PLUS have been tested on smooth, steel-troweled concrete treated with DURO-NOX liquid silicate hardener and have not been tested in conjunction with other liquid floor hardeners or on other surfaces, including tile and stone. Before applying DURO-POLISH PLUS to any other surfaces for the purpose of stain prevention, an adequate test should be done on a representative sample replicating actual use.
- Allow 72 hours of dry time prior to testing stain resistance.
- Product is intended to give a reasonable opportunity for cleanup of spills. In some cases, the product will act as sacrificial protection and will require reapplication, following the procedures given below, once the spill has been cleaned.
- 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 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.
- Surface to receive application should be clean, dry, a minimum of 28 days old and previously treated with DURO-NOX liquid silicate hardener or equivalent. Allow a minimum of 48 hours between the hardener application and the application of DURO-POLISH PLUS. All grease, oil, bondbreaker and curing residue and any other contaminants should be adequately removed from the surface prior to application.
- Do not apply at air or substrate temperatures below 40° F (4° C).
- Mix well before use.
- This product is concentrated and generally requires dilution with water prior to use. The dilution ratio is largely dependent on both concrete floor surface porosity and desired level of gloss.

- Most concrete floor surfaces generally require a concentrated dilution ratio (more product and less water) to achieve the desired gloss and stain blocking properties. To determine the optimum dilution ratio, it is recommended that several test samples at varying dilution rates be applied and evaluated for both gloss and stain protection. The general recommended dilution ratio by volume to achieve maximum gloss and stain protection on most concrete floor surfaces is 2 parts DURO-POLISH PLUS to 1 part water.
- Application is best accomplished in two steps. First, spray apply the product using a low pressure hand pump sprayer, such as the Nox-Crete PERFECT FORM & CONCRETE SPRAYER, equipped with an 8003LP spray nozzle. Second, uniformly spread the product using a DURO-POLISH APPLICATOR equipped with a micro-fiber pad. The micro-fiber pad should be pre-moistened with DURO-POLISH PLUS prior to use. Do not allow product to dry prior to spreading.
- Application rates vary according to the density and texture of the substrate. Typical diluted application range is 500-1,500 sf/gal. (12-36 sm/L).
- Although a single coat of DURO-POLISH PLUS can be applied, the best gloss and stain blocking protection is obtained when two coats of DURO-POLISH PLUS are applied. Do not apply successive coats until the previous coat has dried, approximately 1-2 hours.
- Before allowing foot traffic, verify that the surface is completely dry, generally 1-2 hours. Cool and humid conditions may prolong dry time.
- Keep treated surface dry for 24 hours following application for optimum results. Full stain resistance capabilities are achieved after 72 hours; stain resistance testing should not occur until after this time.

MAINTENANCE

- Do not use ammonia or amine containing detergents to clean a DURO-POLISH PLUS treated floor. SEE PRECAUTIONS.
- Nox-Crete recommends ZEP Commercial Neutral Floor Cleaner Concentrate, diluted according to manufacturer's instructions, for cleaning DURO-POLISH PLUS floors. Use of any other neutral floor cleaning product should be test applied before full scale cleaning to ensure compatibility with DURO-POLISH PLUS.
- Dry buffing restores gloss and repairs scratches and scuff marks.

STAIN RESISTANCE

Testing was conducted on smooth, steel troweled concrete treated with DURO-NOX liquid silicate hardener. Sample concrete received 2 coats of DURO-POLISH PLUS according to our recommended application instructions. Treated samples were then subjected to multiple cleanings with a floor maintenance pad to adequately test the stain resistance of DURO-POLISH PLUS under normal use.

24 HOUR STAIN RESISTANCE TESTING RESULTS

Stain Evaluation Scale:

0 = None 1 = Very Light 2 = Light 3 = Moderate
4 = Heavy 5 = Very Heavy 6 = Light Etching

	Untreated Concrete	Duro-Nox & Duro-Polish Plus
Cooking Oil	4	0
BBQ Sauce	1	0
Used Motor Oil	5	0
Mayonnaise	3	0
Red Wine	2	0
Pickle Relish	6	0
Yellow Mustard	3	0
Apple Cider Vinegar	6	0

TECHNICAL DATA

Color	Milky White
Clarity	Opaque
Odor	Pleasant
Bulk Density	8.4 lbs / gal (1.0 kg / L)
VOC (Low Solids Coating)	<120 g / L
Static Coefficient of Friction (ASTM D-2047)	>0.5

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, 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.

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