

DURO-POLISH PLUS

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

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 that will not flake or peel. 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 treated concrete floor surfaces where a high gloss, non-slip and stain resistant floor finish is desired.
- ◆ Ideal for generating immediate high gloss to all concrete floors previously treated with a silicate or silicate based hardener, sealer or dustproofing compound.
- ◆ 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.
- ◆ Polymer is easily removed from floor surfaces using NOX-CRETE'S DURO-POLISH STRIPPER.
- ◆ Rejuvenates with dry buffing.
- ◆ Easy to apply and reapply.
- ◆ Safe to use -- water based, low odor, no fumes.
- ◆ Economical -- dilutes up to 1:2 with water
- ◆ Meets all federal and state VOC requirements.

PRECAUTIONS

- ◆ Recommended for interior use only.
- ◆ The use of ammonia or amine containing cleaners or detergents will cause irreparable damage to DURO-POLISH PLUS, necessitating reapplication to restore gloss.
- ◆ Protect from freezing.
- ◆ 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.
- ◆ DURO-POLISH PLUS is intended to give a reasonable opportunity for cleanup of spills. In some cases, DURO-POLISH PLUS will act as sacrificial protection and will require reapplication, following the procedures given below, once the spill has been cleaned.

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 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.
- ◆ DURO-POLISH PLUS can be diluted by volume with up to 2 parts water to 1 part DURO-POLISH PLUS. The need to dilute DURO-POLISH PLUS is largely dependent on concrete surface porosity, desired level of gloss and desired stain-blocking performance. Concrete surface porosity is affected by



chemical solutions to concrete problems

many variables, including mix design, incorporation of pozzolans, age, finish, curing method and type of liquid hardener applied. A porous concrete floor surface generally requires a more concentrated dilution ratio to achieve the desired level of gloss and stain-blocking properties. A less absorbent surface may allow dilution without significantly affecting 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 gloss and stain-blocking properties.

- ◆ Mix well before use.
- ◆ 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).
- ◆ 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 8005 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).
- ◆ Additional coats may be necessary to achieve desired appearance and stain protection. Do not apply additional coats until the previous application has completely 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 achieved after 72 hours; stain resistance testing should not occur until after this time.

MAINTENANCE

- ◆ Regular cleaning may be done with water and non-ammonia or amine containing detergents. **SEE PRECAUTIONS.**
- ◆ Dry buffing restores gloss and repairs scratches and scuff marks.
- ◆ Remove using NOX-CRETE'S DURO-POLISH STRIPPER per manufacturer's directions.

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.

Updated 06/06/07. This version supersedes all previous versions.

Stain Evaluation Scale: 0 = None 1 = Very Light 2 = Light 3 = Moderate 4 = Heavy 5 = Very Heavy 6 = Light Etching

	24 Hours	
	UNTREATED CONCRETE	DURO-NOX & DURO-POLISH PLUS
<i>Cooking Oil</i>	4	0
<i>BBQ Sauce</i>	1	0
<i>Used Motor Oil</i>	5	0
<i>Mayonnaise</i>	3	0
<i>Red Wine</i>	2	0
<i>Pickle Relish</i>	6	0
<i>Yellow Mustard</i>	3	0
<i>Apple Cider Vinegar</i>	6	0

TECHNICAL DATA

ColorMilky White
 Clarity Opaque
 Odor..... Pleasant
 Bulk Density.....8.4 lbs/gal (1.0 kg/l)
 VOC..... <400 g/l
 VP <17.0 mm Hg @ 20° C
 Static Coefficient of Friction (ASTM D-2047)..... >0.5

PACKAGING

Packaged in 1 gal (3.8 l) / 9 lbs (4.1 kg) pails, 5 gal (19 l) / 46 lbs (20.9 kg) pails and 55 gal (208 l) / 490 lbs (223 kg) drums.

HANDLING/STORAGE

One year from date of manufacture in properly stored original factory sealed containers. Use before expiration date stenciled on the container.
 DURO-POLISH PLUS is water based and must be protected from freezing. Exposure to freezing temperatures will cause irreversible damage and may render product unusable.

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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