

HPS

PRODUCT DESCRIPTION

NeoChem HPS guard/sealer is a patented, acrylic polymer that provides a durable, protective finish for polished concrete, terrazzo, cementitious, and marble floor surfaces. NC HPS is clear and UV stable. NC HPS eliminates the need for wax and application of conventional polymeric products. Our patented technology extends the life of polished concrete, terrazzo, cementitious, and marble floors by mitigating damage from traffic, dirt, moisture, and increasing resistance to abrasion.

Use NC HPS to provide a protective layer while enhancing the overall appearance and gloss results.

APPLICATIONS

NC HPS may be applied to polished concrete, terrazzo, cementitious, and marble floors of any age. Surfaces must be clean and structurally sound. Remove previously installed sealers and all foreign material such as dirt, dust, oil, grease, and other foreign material. It is always good practice to test a small area of each surface to ensure suitability and coverage rate before applying over entire surface.

Be sure to read all product information before applying.

FEATURES & BENEFITS

- No odor
- Ease of application
- Fast drying
- Non-flammable. Non-Toxic
- UV Stable
- Improves concrete abrasion resistance
- Enhances color
- Improved light reflectivity
- Improves gloss
- Improves chemical resistance
- LEED Compliant
- Low VOC - Compliant Nationally

EQUIPMENT

Low-pressure pump sprayer with a 0.5 gpm (gallon per minute) spray tip
Microfiber pad or other application tools designed to distribute NC HPS across surfaces at recommended rates.

RECOMMENDED USES

- Lobbies
- Warehouses
- manufacturing
- Retail
- Hotels & Restaurants
- Offices
- Auto Showrooms
- Showroom Floors
- Sports Arenas

PHYSICAL PROPERTIES

Form / Appearance	Clear, colorless, odorless liquid
Specific Gravity	1.08
pH	11
WT/GAL	9.03 lbs.
Active Content	25 %
Total Solids	25 %
VOC Content	< 100 g/L
Flash Point	Not Applicable
Freeze Point	32° F (0° C)
Shelf Life	1 years in tightly sealed, unopened container

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INSTALLATION

Apply to a test area to ensure surface suitability and desired results before full application. Allow surface to dry and inspect thoroughly before approval. NC HPS may be applied to polished concrete, cementitious overlays, terrazzo, or marble surfaces. Always plan pattern and execution of application in advance. Surface and air temperature should be between 50-85°F (4-38°C). Apply with a low pressure pump sprayer and a microfiber pad. Do not atomize Material

1. Wet out a clean microfiber pad with NC HPS, leaving the pad filled but not dripping.
2. Using a clean pump sprayer, apply NC HPS maintaining coverage at approximately 1,500-2,500 SF per gallon depending surface. Work in manageable sections.
3. Immediately spread NC HPS evenly to produce a thin, uniformly distributed coat. Spread NC HPS while maintaining a wet edge along the line where new application will overlap previously applied product. Stop spreading material if it begins drying or streaking and apply more material to maintain a wet consistent edge.
4. Allow to dry for 10–60 minutes, depending on environment and conditions, before recoating. Cooler, higher humidity conditions, and less ventilated areas could take longer to dry.
5. Once all coats are placed and dry, burnish NC HPS using a high speed burnisher equipped with the appropriate polishing pad.

APPROXIMATE COVERAGE

Coverage rate determines surface porosity and polished level.
On polished or honed concrete for best results:
1500 - 2500 sq. ft./gal.

DRYING TIME

HPS is typically dry in 20-30 minutes or less depending on surface and environmental conditions. Higher humidity and/or lower temperatures could slow dry time. Hot and/or windy conditions could cause rapid drying. Surfaces are typically ready to receive traffic in 60 minutes. Surfaces should be protected from moisture exposure for 72 hours.

CLEAN UP AND DISPOSAL

Before HPS dries, clean all tools and equipment with fresh water. Dispose of contents/container in accordance with local/regional/national/international regulations.

SHELF LIFE AND STORAGE

Keep product stored in temperatures between 40°F–85°F (4°C–30°C). Secure in a well-ventilated area. Keep containers tightly closed. One year shelf life when properly stored in sealed, unopened container.

MAINTENANCE

To maintain the appearance for long-term performance and life expectancy of the newly sealed surfaces, it is imperative to provide routine maintenance. To increase the life of the surface, use inside and outside walk-off mats. Daily sweeping to remove dirt, dust, and debris from the surface using a microfiber pad or dry dust mop will improve longevity and appearance. Cleaning spills immediately will mitigate potential damage. Acidic or aggressive cleaning products or improper use of equipment and products can damage a surface. Periodic recoating is recommended to maintain gloss and protection. Heavy traffic areas may require recoating with greater frequency.

LIMITATIONS

Avoid applying at heavy rates. For proper film development, apply only when the surface temperature is over 50°F (4°C) and the relative humidity is below 80%.

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc. to ensure system performance as specified for the intended use, and to determine approval of the flooring system.

PACKAGING

1 Gal (3.8 L)
5 Gal (19 L)



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TECHNICAL ASSISTANCE

Corporate Office

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TECHNICAL & SAFETY LITERATURE

To acquire additional information or technical and safety literature contact our office or visit our website: WWW.NCINFUSION.COM

LIMITED WARRANTY

NeoChem warrants this product to be free from defects in the material(s) that affect its performance for a period of 10 years (from date of purchase). NeoChem will replace at no charge the quantity of the Product that NeoChem determines has failed to perform as the sole and exclusive remedy for any breach of this warranty and/or any other defect or failure of the Product. Proof of purchase is required. Cost of labor for application of any product specifically is excluded.

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