

Nohr-S® Polyurea Coating (single-component)

Product Description

Nohr-S® Polyurea Coating is the original single-component polyurea concrete coating. **Nohr-S® Polyurea Coating** is the cutting edge of coating technology and offers an alternative to many conventional floor coating products in applications such as garages, warehouses, laboratories, retail, food-service and lobby/entrance/walk areas. In addition, **Nohr-S® Polyurea Coating**, can be used as a clear-sealer over stained/raw concrete, pigmented where color is required and with flake/chip systems or as a durable sealer coat. The applications for this unique and trail-blazing product are endless!

Features and Benefits

Unlimited* Pot-Life

Single Component (no a&b to worry about)

2-3-hour tack free time @75 deg f.

Excellent Resistance to Hot-Tire Lift & Vehicular Traffic

100% more flexible than epoxy & 20% stronger

Fast Cure & Recoats

Gloss Finish

Decorative Flake/Chip compatible

UV Stable

Recommended Applications

Nohr-S® Polyurea Coating is recommended for all new and existing interior concrete, wood surfaces requiring a high-performing clear or pigmented build/sealer coat. Interior surfaces: garages, warehouses, manufacturing floors, retail settings, walk/entryway areas and food-service (bar/restaurant). *Exterior surfaces: **concrete slabs that are off-grade only**, balconies, walkways, food service-decks and Coosa Composite Board or similar marine board/deck products.*

Technical Data

Solids: 72%

Pot-Life: unlimited* (keep covered when not using)

VOC Level: 250 gms/liter

Recoat time: 3-4 hours and within 18 hours of 1st coat

Foot Traffic: 6-8 hours

Wheel Traffic: 72 hours

Film Thickness: 5-7 mils per coat

Primer: optional but recommended

Solvent & Fuel Resistance: Excellent

Finish: gloss

Appearance: clear (can be pigmented)

Abrasion Resistance: Excellent

Concrete Adhesion: Excellent

Application temp: 33-90 deg f.

Coverage Rates

225 sq ft per gal coat 1 (diamond ground concrete, add 25 sq ft for etched surfaces)

275-300 sq ft per gal coat 2

300-320 sq ft per gal coat 3

Pigment Pack Ratio: (1) pigment can unit : (1) gallon of Nohr-S® Polyurea.

Shelf-Life

Nohr-S® Polyurea Coating has a 6 month shelf life in an unopened container. Once opened it is imperative to remove oxygen prior to resealing using an inert gas (bloxygen® or similar). Store away from extreme heat or cold.

Packaging

1.0 quart, 1.0 gallon and 5.0 gallon units

Legacy Industrial

570 Lake Cook Rd. Ste 300, Deerfield, IL 60015

1-888-652-0333 - sales@legacyindustrial.co - www.legacyindustrial.co

Instructions for Use

PREP: Before application the receiving surface must be deemed structurally and mechanically sound, clean, and dry. Proper surface preparation is required for decorative concrete, thin film flooring systems or sealer/finish coatings. This is best achieved with mechanical sanding or etching following directions found on Legacy Industrial's website in "Downloads" www.legacyindustrial.net. We recommend the surface be porous. All receiving surfaces must be free of previous coatings, sealers, curing compounds, water repellants, laitance, efflorescence, oils, fats, grease, waxes, residues from cleaning compounds, non-visible soluble salts, and any other impediments to adhesion. Always check for potential bond breakers. Previously coated surfaces must be diamond ground. This will also necessitate an additional coat of Nohr-S® for a favorable finish. The rising moisture vapor emission rate must not exceed 3 pounds per 1,000 square feet (3 lb/1,000 ft²) over a 24-hour period as measured by the calcium chloride test method, ASTM F 1869. The relative humidity in the slab must not exceed 80 percent.

PRIMER: Optional but recommended. Nohr-S® ColorPrime, Nohr-S® ClearPrime WB or Standard Epoxy Primer/Coating.

MIXING: Not required when using as a clear-coat. Stir gently using a mechanical stirrer attached to a low speed cordless drill, avoiding over-mixing or creating a vortex that would introduce moisture. No induction time is required prior to use. Soft-Skid non-skid additive can be used, mix in last coat of product.

APPLICATION: Apply using roller. The roller must be an industrial grade, phenolic-resin core with a synthetic nap, 3/8 inch nap, 9" or 18" width. It should be dipped and rolled never dumped on the surface. This product is not recommended for application using spray atomization. Follow all safety and personal protection advice, listed on the product can. SDS is available upon request. This product is best applied in thin even coats. Never over-apply or apply too thick or you can expect fracturing, bubbling and/or failure. Additional thin coats are acceptable. Recoats: Apply additional coats within 18 hours of the previous coat for best adhesion. **Re-coats that fall outside the recoat window:** sand coating with Black Abrasive Wax Stripper Pad, wipe with denatured alcohol and apply coating (objective is to remove/reduce gloss).

Clean-Up

Tools: Xylene or Acetone while coating is still wet.

Product Removal

This product cannot be removed by any stripper. It can only be removed using mechanical means once cured.

Precautions and Limitations

Restrict the use of the floor to wheeled traffic and non-harsh chemicals after 24 hours has passed. Keep the floor dry for this period. Always test cleaners prior to use. Read the container label warning and Safety Data Sheet for important health and safety information prior to use for details on the safe handling and use of these products. Proper ventilation and PPE is encouraged during the use of this product. This product is not self-leveling, roll surfaces evenly as the product will begin to tack 15-20 minutes once on the floor. Avoid direct sunlight on the work-surface or coating during application. Prime porous surfaces. *While this product offers an unlimited pot life it is expected that the user will work expeditiously through the application and cover/seal cans when not using. Left uncovered the product will eventually begin to gel and become unusable, this will occur faster in warmer environments.

Important Formulation Note

Our formula is derived from a Scandinavian coatings manufacturer. This formula has been used to coat marine vessels and oil drilling platforms stationed in the North Sea for decades. It is the frontrunner of an entire Nohr-S® System of products including Nohr-S® Coating Kit Clear, Nohr-S® Coating Kit Pigmented & Nohr-S® Full Flake Coating Kit. Legacy Industrial is dedicated to bringing our customers Heavy Duty Flooring Solutions!!

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our product is manufactured to the specifications as stated her or in other publications. All other information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Any use or application other than recommended herein is the sole responsibility of the user. Uncured epoxy resins, polymers and their curing agents may be **ALKALINE, TOXIC or BOTH**, depending on the particular system. They may cause **ALLERGIC REACTIONS or HYPERSENSITIVITY REACTIONS. BEFORE USING any material, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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