

Nohr-S Polyurea Coating™ (single component)

Product Description

Nohr-S Polyurea Coating™ manufactured by Legacy Industrial Corp. is a single component polyurea (pigmented or clear) concrete floor sealer/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, auto-service centers, laboratories, food/beverage manufacturing plants, fire-houses and heavy traffic areas.

Features and Benefits

Unlimited Pot-Life
No mixing A & B and No waste!
2 Hour Tack Free Time @ 70 deg f.
Fast Recoats
Gloss Finish
Substantial application thickness with smooth layout
Excellent resistance to Hot-Tire lifting & Vehicular Traffic
100% more flexible than epoxy, 20% stronger
Aliphatic chemistry makes this product 100% UV Stable
A unique alternative to polyurethane, epoxy and polyaspartic products

Recommended Applications

Nohr-S Polyurea Coating™ by Legacy Industrial Corp. is recommended for all interior concrete surfaces and exterior applications where a moisture barrier is present. Use when a single component and simply applied coating is required. Can be applied as a clear sealer/topcoat, used as a flake broadcast system or clear sealer to stained/dyed concrete. This product is designed for concrete floors with high pedestrian and vehicle traffic.

Technical Data

Solids: 72%	Foot traffic: 1-2 Hours
VOC Level: 250gm/liter	Full Cure: 2-3 days (vehicles 3 days min)
Tack Free: 2 Hours	Application temp: 30-90 deg.,50-90% rel. humidity
Recoat time: Within 18 Hours of initial coat	Pot-Life: Unlimited
Colors: Clear, Gray, Tan, Black, White, HD Orange (ok to mix pigments, forming lighter or darker colors)	Primer: Recommended for DIY users (Nohr-Prime, Standard Epoxy Primer are satisfactory), optional when used by professional seamless flooring installers
Fuel and Chemical Resistance: Excellent	Tensile Strength: 5200 psi
Finish: gloss	Elongation: 25%
Appearance: Clear (opaque once tinted)	USDA/FDA Approval: Acceptable for use, post cure
Abrasion Resistance: Excellent	
Concrete Adhesion: Excellent	

Approximate Coverage Rates

Coat 1: 225 sq ft per gallon (diamond ground concrete)
Coat 2: 275-300 sq ft per gallon
Coat 3: 295-315 sq ft per gallon (optional)
(2) coats are recommended for proper coverage and a uniform appearance.
Pigment Pack Ratio: .75 quart pigment: 1 gal Nohr-S

Shelf-Life

Nohr-S Polyurea Coating™ has a 6 month shelf life in an unopened container. Protect from freezing or extreme heat.

Packaging

1.0 quart, 1.0 gal, 5.0 gal.

Legacy Industrial Corp.

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Instructions for Use

SURFACE PREPARATION: Surface preparation will vary according to the type of concrete at site. NEW CONCRETE: must have a 28 day cure and CSP-2 surface profile. *OLD CONCRETE: All paint, dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. One way of determining a suitable surface condition is to apply water, the floor must be able to accept water readily, darkening the substrate and no beading. A test should be performed to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. Aqua-Dike® Moisture Vapor Barrier should be used, as a primer, when moisture is present. All DIY users should use a suitable primer before coating.

PRODUCT MIXING: **If adding pigment:** Mix well with slow speed mixing equipment until the material is thoroughly mixed and streak free. Avoid whipping air into the coating. High speed mixing may cause bubbling and will shorten the pot-life. .75 quart of pigment should be added per gallon of product when pigment is required. It is important to combine the pigments and "box" your gallons for last pigmented coat. This will help to keep the color consistent.

PRODUCT APPLICATION: The mixed material can be applied by brush or roller using a 3/8" nap. Always roll in two directions for best finish characteristics. Maintain temperatures within the recommended ranges during the application and curing process. This product requires two coats, minimum. It is best to maintain a wet edge to avoid roller marks. Direct sunlight or high temperatures may cause visible roller marking during application. Uneven application thicknesses may cause variations in gloss, therefore apply material as evenly in thickness as possible. High temperatures and/or humidity will increase the cure time. This product can be sprayed using airless or cup-sprayer using low pressure. Suggested application thickness is 2-8 mils per coat.

RECOAT OR TOPCOATING: Multiple coats of this product are recommended. If you opt to recoat this product, you must first make sure the floor is tack free, it is best to test the coating before recoating or top-coating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence. Before recoating or top-coating, check the coating to insure no contaminants exist. If a blush or contaminants are present on a previous coat, remove with a standard type detergent cleaner and allow to completely dry. Do not allow more than 12 hours to pass between coats. It is advisable to de-gloss the previous coat to insure a trouble free bond if 12 hours has passed.

Clean-Up

Use acetone or xylol immediately after use.

Product Removal

This product can only be removed using mechanical means, once cured.

Precautions and Limitations

Restrict the use of the floor to light traffic and non-harsh chemicals until 24 hours has passed. Keep the floor dry for this period. Always test cleaners prior to use.

Important Formulation Note

Our formula is a derivative 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 forerunner of an entire Nohr System of products to be introduced in the future. Legacy Industrial is dedicated to bringing our customers Heavy Duty Floor Solutions!

*Colors or gloss may be affected by high humidity, low temperatures, or chemical exposure.

* Do not apply product in direct sunlight or high heat, bubbling can occur.

*Once can is opened, use product within 24 hours for best result.

*Physical properties are typical values and not specifications.

*Slab on grade requires moisture barrier.

* Slight appearances in gloss may vary from batch to batch, therefore, use only product from same batch for an entire job

*New concrete must be 28 days old min and moisture free

*Use with adequate ventilation, not recommended for closed interior spaces.

READ MSDS FOR PROPER PPE, including eye, skin and breathing protection.

*For best results use a high quality 3/8"nap roller.

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 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. COPYRIGHT 01/01/15 Legacy Industrial Corp.