

NOHR-S®
POLYUREA
COATING KIT
AEGIS

V32324



Nohr-S® Polyurea Coating Kit, *Aegis* Instructions

PLEASE READ THIS SECTION THOROUGHLY

Coverage	Your kit coverage, as indicated when ordered, will cover a range of square feet. As long as your project area is within said coverage-range you will have enough product. Example: 300 will cover 300 sq. ft. as long as area is not too rough or porous. Consider any vertical edges in your total square footage calculation as well. If concrete is ground or shot-blasted, choose the primer option (Nohr-S ColorPrime)
Use	This kit is designed for horizontal concrete floor surfaces found in covered buildings (garages, hobby shops, warehouses, auto-service centers, airplane hangars, etc....) NOT INTENDED FOR OUTSIDE USE-unless slab is raised and covered
Temperature & Humidity	This kit should be installed when air-temperatures are between 40-90 deg. f and 90 def. <u>Humidity 50-90%</u> , do not coat during rain event (Slab temps not to exceed 5 deg.f. below min. air temps, respectively).
Storage & Application Considerations	Store your product in a cool and dry environment (65-75 deg. f) prior to install, do not coat in direct sunlight or a hot surface. It is the user's responsibility to do a complete inventory before starting the process and checking for moisture (place a 4'X4' plastic sheet on the substrate and tape 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).
Coats	You will receive enough product to apply (2) separate coats. (1) color-coat of Nohr-S® Polyurea (with or without flakes) and (1) clear-coat of Nohr-S® Polyurea . Primer coat is optional.
Additional Items	Source these items locally: preparation medium, skin eye and lung protection, soap/water for Standard Primer clean-up, (1) qt. xylene or MEK solvent for solvent product clean-up, broom handle, tarp, cloth rags, cordless drill. If not purchased with premium tools-kit a visit to local paint store will be required for roller frame, rollers, mixer, brushes, trays, etc...
Support	Email: support@legacyindustrial.co, PH 888-652-0333 (leave a message if prompted to do so, we will call you back), include order number.

Safety Considerations

LEAD PAINT WARNING: If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure, and clean up carefully with a HEPA vacuum and wet mop. For more information, contact the National Lead Information Hotline at 1- 800-424-LEAD or log on to www.epa.gov/lead.

SILICA DUST WARNING: Sanding, grinding, or cutting concrete can release dust containing high levels of crystalline silica. Prolonged or repeated exposure can lead to a disabling and often fatal lung disease called silicosis. Some studies also indicate a link between crystalline silica exposure and lung cancer. Wear a NIOSH-approved respirator to control silica dust exposure, and clean up carefully with a HEPA vacuum and/or water.



SOLVENT WARNING: Nohr-S® Polyurea and our Nohr-S® ColorPrime Primer are solvent based, it is recommended that the user use respiratory protection during the installation of these items and ventilate the workspace during install and curing. Wear a NIOSH-approved, dual cartridge, respirator to protect against inhalation hazards from solvent vapors. For more information, consult our Safety Data Sheets. Not recommended for enclosed, non-ventilated spaces. Do not spray or atomize these products.

SKIN & EYE CONTACT WARNING: AVOID CONTACT WITH SKIN AND EYES. WEAR GLOVES AND EYE PROTECTION. For skin contact, wash affected area with soap and water and rinse/shower well. For eye contact, flush with cold water for 15 minutes. If swallowed, do not induce vomiting. Rinse mouth and contact a physician immediately. KEEP OUT OF REACH OF CHILDREN.

Condition	Potential Issue	Solution
Moisture issue or suspected issue	Water vapor trapped beneath a coating can possibly delaminate coatings or create bubbles	Test prior to coating. Possible solutions: AquaDike® MVB Primer, or do not apply coating
Weak sandy or laitance riddled concrete surface	Weak, sandy or laitance riddled surfaces may eventually cause delamination	Grind concrete through the weak area, test for strength and prime or do not apply coating
Cracks	Cracks may telegraph through the coating	Fill cracks prior to coating with Legacy Industrial's XtremeSet100™ Crack/Joint Filler
Contraction/Control Joints	Open joints can trap dirt/debris	Fill joints prior to coating with Legacy Industrial's XtremeSet100™ Crack/Joint Filler or fill post-coating with our Flex-Set 600UV joint filler.
Perimeter Joints	Open joints may trap dirt/debris	Fill perimeter joints prior to coating with our Flex-Set 600UV joint filler.
Door sills/thresholds found beyond garage-door	Coated sills may be exposed to moisture from exterior sources, possibly causing delamination from water-vapor	End coatings at garage door or coat with a breathable product
Holes or Voids	Holes or Voids may trap dirt/debris.	Fill small holes with Legacy Industrial's XtremeSet100™, fill holes larger than a One Dollar Bill or deeper than 2" with Legacy Industrial's FiveTon® Repair Patch Material
Rough or pocked surface	Rough and/or pocked concrete will telegraph through the coating	Resurface these rough areas with FiveTon® Repair Patch Material, grind flush prior to coating



Surface Preparation

CONCRETE FLOOR PREP (the most important step and complete 4 days prior to coating)

All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. Properly etch the surface to achieve a CSP # 1 level of preparation. Wear a NIOSH-approved respirator to control silica dust exposure, and clean up carefully with a HEPA vacuum and/or water.

TECH-TIP: While acid-etching is a form of preparation, we recommend it only be used on newer, unsealed and unsullied floors. It is best to etch at least 2x to be sure the floor is porous enough for install. Check out our own brand of etch (HD357 ETCH) as it is more ecologically friendly and still makes an effective etch compared to muriatic, hydrochloric and phosphoric acids.

TECH-TIP: If renting diamond-grinding equipment request a diamond grit between 30 & 50. EDCO® BRAND & Husqvarna® BRAND machines are very effective and commonly found at rental outfits. "Planetary" style machines are the most time efficient. You may grind the day before coating. Grinding always takes longer than expected so plan ahead.

Choose our primer option (Nohr-S® ColorPrime) when grinding or shot-blasting.

OPTIONAL PRIMER COAT

Primer Coat (skip this step if primer option was not selected)

Prior to mixing make sure your (locally sourced) mixing pail (4-5 gal pail) is clean and free of any debris. Pour both A & B units into the mixing bucket. Mix (1) unit of **A - Nohr-S® ColorPrime** with (1) unit of **B**. Mix well with a proper mix wand and cordless drill, on slow speed for a minimum of 3 minutes.

--Once mixed, ALLOW TO DWELL FOR 20 MINUTES--

DWELL MEANS LEAVE IT ALONE!

Once the dwell period is complete you may begin using the product. You have approximately (2-3) hours to use this product. Pour into a paint-tray and begin rolling it out using 3/8" nap roller sleeve, the edges can be cut in with a slim-roller or chip-brush.

Lastly, if a different primer is being used, please follow the instructions found in the Technical Data Sheet for said product.

Coating-Color Coat & Flakes

Color Coat

Prior to mixing make sure your (locally sourced) mixing pail (4-5 gal pail) is clean and free of any debris. Mix (1) gallon of **Nohr-S® Polyurea** with (1) can of pigment-pack. Mix well with a proper mix wand and cordless drill, on slow speed. Mix until the product is streak free. The tint is not a catalyst; it only adds color. It is imperative that all gallons that will be used for this color coat are inter-mixed or “boxed”. This will help keep a consistent color across the floor.

Apply Product. Maintain temperatures within 40-90 degrees F. Do not coat **Nohr-S® Polyurea** with direct sunlight hitting the floor or with air blowing across the floor (could cause bubbles). **Pour the mixed material into a paint tray.** Roll coating out with a 3/8” nap roller. Use a paint brush to cut in around the edges – areas that your roller will not reach. A (1) gallon unit of coating will cover approx. 300 sq ft per gal over the surface. As you roll out the mixed material, broadcast chips into the wet coating. **DO NOT WAIT TO DO THIS*, Nohr-S® Polyurea** cures fast once placed on the floor. To do this, spread the chips by tossing them directly up into the air and allowing them to settle into wet coating as you progress. Do not roll over the top of the paint chips once they are on the floor. Estimate the chips to use to make sure they are evenly spaced to prevent running out of chips before the end of the coated floor. **** Nohr-S® Polyurea** can only be cleaned while still uncured using Acetone or Xylene/Xylol. Read manufacturers safety warnings on these products. –DO NOT ALLOW MORE THAN 12 HOURS TO PASS BEFORE APPLYING THE NEXT COAT WITHOUT FURTHER PREPARATION STEPS--*TECH-TIP: This material has an “unlimited” pot-life. However, once rolled out it will immediately starts to cure- within 10 minutes. **Start applying flakes once you are 2 or 3 feet off the starting wall, best to have a partner handle this while you roll. Allow coating to dry.* At 70 degrees F, the floor should be ready for a recoat in approx. 2-3 hours.

Coating- Clear Coat

Clear-Coat

Once the **Nohr-S® Polyurea** with Pigment has cured and you are able to walk onto it, it is time to apply a clear coat of **Nohr-S® Polyurea**. Pour the material into a clean-mixing pail as before and add your optional HDGRIP SOFT SKID (optional) at this time, following the instructions on the package. Next, pour the material again into the paint tray. Apply using a 3/8" nap roller in much the same manner as the previous coat or coats. **Nohr-S® Polyurea**, (one gallon) will cover approx. 300 sq. ft. per gal over a previously coated floor. Use a paint tray to allow a dip and roll method. You should dry roll (no dipping) every completed row of clear that you apply material to, prior to dipping again and starting the next row. This will help you keep an even coat on the floor without any misses.

TECH-TIP: Additional coats of **Nohr-S® Polyurea** can be applied without further prep if applied within 12 hours of the first coat of material. Later than 12 hours will require a degloss/solvent wipe preparation.

*Recommended: We recommend skid resistance be added to your epoxy floor. We offer HDGrip- Soft Skid anti-skid. Up to 6.5 tablespoons of soft skid can be mixed into 1.0 gal of **Nohr-S® Polyurea** without clumping. IT IS UP TO THE USER TO DETERMINE THE PROPER AMOUNT AND LEVEL OF ANTI-SKID REQUIRED. We supply FINE as standard when selected. However, we will provide any level you request at no extra charge. If you are not sure what level you need, it is recommended that the user perform a test patch of product prior to installing the entire kit. These instructions are to serve as a basic guide. Field conditions are not consistent and therefore application and preparation methods may have to be modified in order to achieve a successful outcome. Installers assume this risk.*

Contact: sales@legacyindustrial.net or dial: 1-888-652-0333

TYPICAL COATING TIMELINE – MAY VARY DUE TO WEATHER OR OTHER ISSUES

Preparation	Primer Coat (optional)	Polyurea Color Coat & Flakes	Polyurea Clear Coat
Complete Etch 4 days before coating to allow good drying or grind by day before coating	Install Friday evening 5:00PM	Install Saturday Morning 8:00AM	Install Saturday Afternoon 1:00PM