

Application Instructions ***“Nohr-S Full Flake Garage System”***

Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degree F. Low temperatures or great temperature fluctuations may cause crystallization. Coatings may cause surface to become slippery under certain conditions. If you require additional slip resistance a non-skid additive may be added. Consult with your representative for details. Keep out of the reach of children. Refer to Product label and MSDS for additional safety precautions.

Surface Preparation

Perform a Moisture Test:

A test should be made to determine that the concrete has an appropriate vapor barrier. 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 does not show signs of eventual hydrostatic pressure problems that may later cause disbonding. Legacy Industrial's Aqua-Dike™ or VaporDike™ should be considered as a primer when moisture is suspected or when “insurance” is desired. Consult technical data for application information.

Clean the Floor

All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate.

Prepare the Surface

Diamond Grind, shot-blast or properly acid etch the surface to achieve a CSP # 2 level of preparation. Diamabrush units are available at Box-Stores for rental (pictured on right below). Always use a vac for dust.



NOTE: Ensure floor is dry and dust-free prior to coating.

HD Epoxy (receiver coat) Application:

Mix Product:

Prior to mixing make sure the mixing pail is clean and free of any debris. Mix and transfer 2 gallon container of Part A and 1 gallon container of Part B into the provided mixing pail. Mix well with a large head mix wand (using a low speed cordless drill) making sure to scrape the sides and bottom of the mixing pail thoroughly. Any unmixed liquids will not cure properly. Do not use partial kits. A “thorough” mixing typically takes 3 minutes to achieve properly.

Apply Product:

Maintain temperatures within 60-90 degrees F with relative humidity below 85% during the application and curing process.

Pour a ribbon* of mixed epoxy onto the prepared surface. Roll coating out with a 3/8” nap roller. Use a small brush to cut in around the edges – areas that your roller will not reach. A 3 gallon unit is enough material to coat approximately 525-550 sq. ft. As you roll out the mixed material, you can begin to broadcast chips into the wet epoxy ***. To do this, spread the chips by tossing them slightly up into the air and allowing them to settle into wet epoxy 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.**



**This material has a usable pot life of about 30 minutes, work it from the floor, not the bucket. It will overheat if left in the bucket. Pour out on floor in ribbons as soon as it is mixed!*

***You can also roll out all the epoxy base coat and then walk onto the floor using a pair of “spike shoes”. These allow you to apply your chips/flakes post rolling, making the process a bit easier. BE CAREFUL! Floor will be slippery even with the spike shoes in place!!*

****If your coating “rises” above the flake causing a “wet spot” just add more flake to that area until gone from site.*

Allow epoxy to dry.

At 70 degrees F, the floor should be ready for clear coats within 10-12 hours. Apply topcoats within 24 hours of epoxy.

Chip Gathering/Sanding:

Once the HD epoxy has cured and the floor is not sticky/tacky (approx. 10-12 hours), it is time to remove the excess flake. Using an electric blower or a good push broom, begin gathering up the loose flake. This flake can be captured and used on another project. Once this loose flake is gathered the floor should be lightly sanded (using light pressure) using a dry-wall pole sander with an 80 grit sanding screen in place. Larger spaces can be “buffed”, in lieu of pole-sander, using a buffer and a hogs-hair buffing pad. The floor should be sanded or buffed in a North-South direction and then again in an East-West direction. Once fully sanded, this loose and broken flake should be gathered and discarded. *



*Any areas that are “bald” of chip, just dab with clear-coating and place chips to cover. Do this 15-20 minutes ahead of the full clear-coat application.

Clear TopCoat Application:

Applying the NOHR-S Polyurea Clear Sealer (consult for other top-coats)

Once the SD Coating has cured and you are able to walk onto it, it is time to apply the NOHR-S CLEAR sealer. Read and obey the safety warnings/precautions on the can prior to opening. This is a single component polyurea. Apply using a 3/8" nap roller in much the same manner as the SD Epoxy. However, use a paint tray to allow a dip and roll method. You should dry roll (no dipping) every completed row 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. *A second coat of polyurea should be applied in approx. 2-4 hours (or until not tacky) after the first coat of polyurea. Do not wait more than (12) hours to apply the 2nd or optional 3rd coat of polyurea.*



Allow polyurea to dry.

At 70 degrees F, the floor should be ready for light foot traffic within 6 hours. For vehicle traffic allow the floor to fully cure 5-7 days.

Recommended: We recommend skid resistance be added to your epoxy floor. We offer HDGrip- Soft Skid anti-skid material in (3) levels of grit. Extra-Fine, Fine and Coarse. Up to 6.4 tablespoons of soft skid can be mixed into 1.0 gal of urethane or polyaspartic coating 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.

Recommended: You may want to apply a primer. A primer will serve to help eliminate outgassing bubbles and will create a more even finish for your base and subsequent coats. Very porous substrates must be primed for satisfactory results.

TYPICAL SCHEDULE:

Grind and prep ahead of application allowing any prep issues to be resolved by coating time.

Apply coating and flake/chips Friday Night, Remove flakes and sand Saturday morning or 24 hours max. from epoxy, Apply Clear Coat 1 late morning Saturday, Clear Coat 2 to be applied 2-3 hours after Clear Coat 1 but not allowing 12 hours to expire in between coats. Start foot traffic on Sunday, allow 7 days for vehicles.

OPTIONAL: If a less textured higher sheen floor is desired, a third coat of polyurea can be added. Add this coat within 12 hours of the last coat for no further preparation. Approximate 250 sq ft per gallon for this 3rd coat.

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.

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