

BARNSTORMER

COATING KIT

INSTRUCTIONS

V090223

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BarnStormer Coating Kit- 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 up to 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.
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 or areas that receive direct-sunlight
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. (2) color-coats of Standard Epoxy Coating (with or without flakes). A Clear-coat, if desired, is optional. If you selected "Clear" as the color for your kit, you will receive our SEC SEALER in lieu of the Standard Epoxy Coating.
Additional Items	Source these items locally: preparation medium, skin, eye and lung protection, soap/water for Standard Epoxy Coating clean-up, (1) qt. xylene or MEK solvent for (hd322 urethane, optional) 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: info@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: This product contains some solvent, 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 flexible SL filler or leave as-is
Perimeter Joints	Open joints may trap dirt/debris	Fill joints prior to coating with Dap 3.0 Concrete Repair (only perimeter joints)
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

Surface Preparation

CONCRETE FLOOR PREP (the most important step)

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 efficient.

Coating-Coat 1 & Flakes

Coat 1

Prior to mixing, make sure the mixing pail is clean and free of any debris. Pour Part A and Part B into the properly sized mixing pail. Mix well with a proper-mix wand and cordless drill (on low-speed) 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.

Mix for 3 minutes. Once mixed pour into a properly sized paint-tray. -DO NOT DUMP ON FLOOR-

Apply Coat 1

Maintain temperatures within 55-90 degrees F with relative humidity below 75% during the application and curing process. Use a paint brush to cut in around the edges- areas your roller will not reach. Roll coating, from a paint-tray, onto floor with a 3/8" nap roller using the dip & roll method. The mixed material will cover approximately 285-300 sqft per gal.

This material has a pot life of 30 to 40 minutes. When the end of the pot life has been reached, you will find that the material becomes hard to apply and will actually tend to roll back up onto the roller. Do not try to continue application when the coating has reached this step.

Allow Coat 1 to dry

When applied at 70 degrees F this material will be ready for recoat in approximately 5-6 hours. It is best to test the coating before recoating. 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 or topcoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating or top coating can commence.



Apply Coat 2

Repeat the instructions found above. If you ordered flakes, apply these as you roll your 2nd coat. This coat will cover approx. 300-325 sqft per gal.

Coating- Clear Coat

Refer to instructions on the label of the clear-coat you are using. Be sure to apply within 24 hours without further preparation.

*TECH-TIP: Additional coats of **Standard Epoxy Coating** can be applied without further prep if applied within 24 hours of the first coat of material. Later than 24 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 **Standard Epoxy 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. 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.*

TECH-TIP: The coatings contained in this kit are not UV-Proof. If a UV-Proof coating is desired, please consider our NOHR-S® Polyurea line of coatings & kits.

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