



HellFire® **Coating Kit, Pigmented Instructions**

PLEASE READ THIS SECTION THOROUGHLY

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| 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: 401-550 will cover 401 to 550 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 |
| Temperature & Humidity | This kit should be installed when air-temperatures are between 35 deg. f and 90 deg. <u>Humidity 60-90%</u> , do not coat during rain event (Slab temps not to exceed 5 deg.f. below min. air temps, respectively). High Humidity will cause the material to cure more quickly. Low humidity (less than 60%) will retard curing and weaken the product. |
| 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 (3) separate coats. (2) color-coats of HellFire® and (1) clear coat of HellFire® ClearCoat. |
| 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: info@legacyindustrial.net , 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: HellFire® and HellFire® ClearCoat 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, VaporDike™ 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 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 HD110 Concrete Repair 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. Diamond Grind, shot-blast or properly acid etch the surface to achieve a CSP # 2 level of preparation. Wear a NIOSH-approved respirator to control silica dust exposure, and clean up carefully with a HEPA vacuum and/or water. **Acid-Etch is strongly recommended unless the floor is sealed/coated/contaminated or does not etch well.**

TECH-TIP: While acid-etching is a form of preparation, we recommend it only be used on newer, unsealed and unsoiled 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 15 & 30. EDCO® BRAND & Husqvarna® BRAND machines are very effective and commonly found at rental outfits. "Planetary" style machines are the most efficient.



Color Coat

Color Coat

Mix well with a proper mix wand and cordless drill, on slow speed. Mix until the product is streak-free.

Apply Product. Maintain temperatures within 35-90 degrees F. Do not coat HellFire® 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 x 18" if available. Light, even coats are the goal, do not pour onto floor or under any circumstances allow puddling or thick areas. 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. 350-400 sq ft per gal over surface. HellFire® can only be cleaned while still uncured using Acetone or Xylene/Xylol. Read manufacturers safety warnings on these products.

Repeat Steps found above for Coat 2. Two coats are required/recommended for acceptable coverage.



–DO NOT ALLOW MORE THAN 6 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. **Allow coating to dry.** At 70 degrees F, the floor should be ready for a recoat in approx. 2 hours.*



Coating- Clear Coat

Clear-Coat

Once the last coat of HellFire® has cured and you are able to walk onto it, it is time to apply a clear coat of HellFire® ClearCoat. Pour the material into a clean-mixing pail as before and add your 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. HellFire® ClearCoat will cover approx. 400 sq. ft. per gal over a previously coated floor. Again, apply a light, even coat. 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 HellFire® ClearCoat can be applied without further prep if applied within 6 hours of the first coat of material. Later than 12 hours will require a degloss/solvent wipe preparation. Two coats of HellFire® ClearCoat are recommended for higher traffic/commercial environments.

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 6.5 tablespoons of soft skid can be mixed into 1.0 gal of HellFire® ClearCoat 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