

Hellfire™ Concrete Coating

Product Description

Hellfire™ Concrete Coating is a single component, proprietary, moisture cured urethane fortified with a metallic additive that exhibits outstanding characteristics exceeding competitive products. **Hellfire™ Concrete Coating** has excellent chemical resistance, heat resistance and substrate penetration.

Hellfire™ Concrete Coating offers the user easy installation and fast recoats coupled with excellent protection. **Hellfire™ Concrete Coating** can be used in warehouses, garages, auto-service centers, utility rooms, “back of house” floors and metal (clean and oxidized) surfaces. Unlike similar products, **Hellfire™ Concrete Coating** was formulated for concrete floors by people who know concrete coatings!

Features and Benefits

Long Pot-Life
Single Component (no a&b to worry about)
Extreme Wear, Chemical, Fuel & Solvent Resistance
Fast Cure & Recoats
Outstanding Heat Resistance
Attractive Metallic Silver/Gray Appearance
Prep Free- surface dependent
Decorative Flake/Chip compatible

Recommended Applications

Hellfire™ Concrete Coating is recommended for all new and existing interior concrete surfaces requiring a no-nonsense chem/wear resistant, waterproof and protective maintenance coating. Interior surfaces: garages, warehouses, manufacturing floors, loading docks, marine environments, laboratories, chemical splash zones and vehicle-service centers. *Exterior surfaces: vehicle & marine vessels, metal surfaces(clean or oxidized)*

Technical Data

Solids: 71%	(additional information found on -fact sheet-)
Pot-Life: 1-1.5 Hours(keep covered when not using)	Solvent & Fuel Resistance: Excellent
VOC Level: 7.3 lbs per gal or 325 gms/liter	Finish: matte metallic gray/silver
Recoat time: 2-3 Hours	Appearance: opaque
Foot Traffic: 12 hours	Abrasion Resistance: Excellent
Wheel Traffic: 72 hours	Concrete Adhesion: Excellent
Film Thickness: 2-3.5 dft per coat	Application temp: 35-85 deg f.

Coverage Rates

275-300 sq ft per gal coat 1
300-325 sq ft per gal coat 2

Shelf-Life

Hellfire™ Concrete Coating has a one-year shelf life in an unopened container. Once opened and resealed the product may “weld” the lid closed if not cleaned properly before re-sealing.

Packaging

1.0 quart and 1.0 gallon units

Instructions for Use

PREP: Before application the receiving surface must be deemed structurally and mechanically sound, clean, and dry. Proper surface preparation is required for decorative concrete, thin film flooring systems or sealer/finish coatings. This is best achieved with mechanical sanding or acid etching following directions found on Legacy Industrial's website in "Downloads" www.legacyindustrial.net. We recommend the surface be porous. All receiving surfaces must be free of previous coatings, sealers, curing compounds, water repellants, laitance, efflorescence, oils, fats, grease, waxes, residues from cleaning compounds, non-visible soluble salts, and any other impediments to adhesion. Always check for potential bond breakers. One method entails pouring a slight amount of water on the concrete in random areas. If the water is absorbed into the concrete and leaves it wet, the substrate is porous and thus acceptable for coating. If water beads up, this indicates a bond breaker is still present or the concrete is too smooth and further surface preparation steps are necessary, such as additional mechanical sanding or grinding. Previously coated surfaces must be diamond ground. This will also necessitate additional coats of Hellfire™ for a favorable finish. The rising moisture vapor emission rate must not exceed 3 pounds per 1,000 square feet (3 lb/1,000 ft²) over a 24-hour period as measured by the calcium chloride test method, ASTM F 1869. The relative humidity in the slab must not exceed 80 percent. Steel or oxidized metal surfaces must be reasonably cleaned and oil free prior to use.

MIXING: Mix this product using a clean, dry, working bucket. Stir gently using a mechanical stirrer attached to a low speed cordless drill, avoiding over-mixing or creating a vortex that would introduce moisture. Stir until material has a non-streaking appearance. No induction time is required prior to use. Soft-Skid non-skid additive can be used, mix in last coat of product.

APPLICATION: Apply using roller. The roller must be an industrial grade, phenolic-resin core with a synthetic nap, 3/8 inch nap, 9" or 18" width. It should be dipped and rolled never dumped on the surface. Due to the metallic additive in this product it is important to place enough product on the roller and back-roll often to avoid roller marks. This product is not recommended for application using spray atomization. Follow all safety and personal protection advice, listed on the product can. SDS is available upon request. This product is best applied in thin coats. Never over-apply or apply too thick or you can expect fracturing, bubbling and/or failure. Additional thin coats are acceptable. Recoats: Apply additional coats within 3 hours of the previous coat for best adhesion. This product can be top coated with Legacy Industrial's Nohr-S Polyurea for an attractive gloss look or to encapsulate/seal decorative flake/chip. **Re-coats that fall outside the recoat window:** sand coating with 100-120 grit screen or Black Abrasive Stripper Pad, wipe with denatured alcohol and apply coating.

Clean-Up

Tools: Xylene or Acetone while coating is still wet. Skin: Immediately clean with soap and water. Once dried the product will wear off in approx. 10 days.

Product Removal

This product cannot be removed by any stripper. It can only be removed using mechanical means once cured.

Precautions and Limitations

Restrict the use of the floor to wheeled traffic and non-harsh chemicals after 24 hours has passed. Keep the floor dry for this period. Always test cleaners prior to use. High humidity can increase the curing speed dramatically. Read the container label warning and Safety Data Sheet for important health and safety information prior to use for details on the safe handling and use of these products. Proper ventilation is encouraged during the use of this product.

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 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.

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