



TECHNICAL DATA SHEET

EPX-100^{HV}

EPOXY COATING



FLOOR COATINGS

EPX-100 HV is a two-component, high-viscosity 100% solids epoxy coating designed to provide a durable, long-lasting finish for concrete surfaces. It delivers a high-gloss, professional finish that enhances the appearance of the underlying substrate while also improving its resistance to stains and spills. It provides excellent protection against wear, chemicals, and abrasion. Benefits include exceptional durability, chemical resistance, easy maintenance, and enhanced aesthetic appeal. It is also mold and mildew resistant, and is recommended for clean rooms, pharmaceutical, hospitals and laundry areas.

APPLICATIONS

EPX-100 HV is formulated for use in high-traffic areas and industrial floor applications including warehouses, garages, and manufacturing plants. It can be used with epoxy flake, colored quartz, or metallic systems. EPX-100 HV can be tinted to meet safety or industrial colored floor requirements, visibility, or designated zone marking, as well as decorative flooring solutions. With proper surface preparation, EPX-100 HV can be applied over existing coatings or concrete. Uses include:

- Warehouses
- Manufacturing
- Educational
- Pharmaceutical
- Garages
- Laundry Areas
- Hospitals

ADVANTAGES

- Low VOC's
- High-solids
- High gloss, low odor
- Good chemical resistance
- High mold and mildew resistance
- Excellent abrasion resistance
- Available in various color options

PHYSICAL PROPERTIES

Working Time	30-40 mins
Mix Ratio	2:1 (A:B) by Volume
Coverage Rate	150-200 sq ft/gal
Specific Gravity	
Side A:	1.13 ± 0.1
Side B:	1.02 ± 0.1
Recoat Time	8 hours
Light Traffic	16 hours
Heavy Traffic	48 hours
Full Cure	7 days

Available in
1.5-gallon Kit
3-gallon Kit

Shelf Life

1 year in original unopened container.

Storage Conditions

Recommended storage temperature is between 75°F to 85°F. Do not store below 55°F or above 85°F.

Consistency

Clear, viscous liquid.

Pot Life

Approx. 30-40 minutes (at 72°F)

Appearance

Clear

EPX-100 ^{HV}

EPOXY TOPCOAT



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MATERIAL COVERAGE PER GALLON

Coverage rate will vary based on concrete porosity, finish and environmental conditions. Typical installations will yield 150-200 sq ft per gallon.

SURFACE PREPARATION

Concrete surfaces must be properly prepared using mechanical grinding or shot blasting, clean and dry.

Existing Coating

Thoroughly sand with 120-220 grit paper and clean to ensure a strong bond between coats. After sanding, vacuum thoroughly to remove any dust, dirt, or debris. Do not use water to clean a floor prior to application.

Acid-stained Concrete

Follow acid stain manufacturer procedure for cleaning and neutralization before applying.

Bare Concrete

Concrete must be mechanically ground or shot-blast to a profile resembling ICRI-CSP2-3. The concrete must be at least 28 days old and dry. For higher film build and better adhesion, a primer application using PMR-100 or PMR-60 WB is preferred before applying EPX-100 as a topcoat.

APPLICATION RECOMMENDATIONS

Ensure the surface is clean and thoroughly dried. EPX-100 HV is recommended to apply over prepped concrete with a squeegee and then back-rolled with a 1/4" nap roller, to minimize air entrapment.

Using acetone or MEK, clean rollers and tools. Recoat time is 8 hours after initial coat.

This product is best applied at a temperature range of 50°F to 85°F, with humidity at 20% to 60%. EPX-100 HV is sensitive to excess substrate moisture content. The substrate moisture vapor emission rate must not exceed 3 lbs./1000 sq.ft. over a 24 hour period as tested using the calcium chloride test, ASTM F1869. If using a moisture testing meter, the moisture reading must not exceed 5%.

LIMITATIONS

This product is sensitive to moisture, alcohols, and liquid epoxy materials. Contamination with alcohols such as isopropyl alcohol (IPA), benzyl alcohol will cause product failure, foam, and excessive heat while mixing and applying. Contamination with liquid epoxy materials will also cause excessive heat and product failure. Do not re-use previously opened containers. It is not recommended this product be

transferred to another container before mixing.



FIRST AID

Remove contaminated clothing. If Inhaled: Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. If on the skin: Wash affected areas thoroughly with soap and water. If in the eyes: In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If swallowed: Rinse mouth and then drink plenty of water. Do not induce vomiting. Obtain medical attention.

WARRANTY

HTS warrants its products to be free of manufacturing defects will meet current published physical properties when applied in accordance with HTS directions and tested in accordance with ASTM and HTS standards. There are no other warranties by HTS of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. HTS shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose or from any other cause whatsoever.