



PRODUCT NAME

EPIC®

MANUFACTURER

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PRODUCT DESCRIPTION

EPIC is an innovative, high-performance floor finish that is exclusively formulated by Ultra Durable Technologies to replace all the hassles associated with traditional floor finishes or waxes.

EPIC is a single-coat, low-VOC, water-based urethane floor finish that produces a long-lasting, tough, protective finish that lasts up to 50 times longer than any other floor finish. The remarkable performance of just one thin coat of EPIC eliminates the constant need for stripping, buffing, polishing, and frequent recoating of interior floors.

EPIC USES

LVT, Sheet Vinyl, & Linoleum – Keep the “no wax” appeal, improve cleanability, and restore appearance.

VCT – Transform VCT into a “no wax” flooring that requires no buffing and frequent recoating.

Tile & Grout – Create a protective barrier that makes grout easy to clean while eliminating odors.

Concrete & Terrazzo – Protect against chemical staining and eliminate ongoing polishing and finishing.

PROVEN INDUSTRIES

Healthcare: Hospitals, Clinics, Long-term Care

Education: Schools, Universities, Churches

Industrial: Manufacturing, Production, Warehousing

Transit: Airports, Hangars, Bus/Train Stations

Commercial: Retail, Restaurants, Showrooms

Entertainment: Arenas, Convention Centers, Gaming

Government: Military Bases, Stations, Prisons

UNIQUE ADVANTAGES

- One coat replaces multiple coats of traditional acrylic floor finish
- Eliminates buffing and frequent recoating
- Restores dull and heavily worn “no wax” floors
- Dramatically reduces ongoing maintenance costs
- Non-yellowing, UV stable, and extremely chemical and abrasion resistant
- Add Ultra Grip or UDT Aggregate to increase traction (DCOF) and abrasion resistance
- Available in high-gloss and matte

PACKAGING

Parts: A (Gloss or Matte), A1 (4HR or 8HR), B
Mini Kit: approximately 1/10 gallon
Standard Kit: approximately 1/2 gallon
Contractor Kit: approximately 1 gallon

Additional/optional components:

- Add EPIC Bond Promoter when direct adhesion to ceramic or stone is needed.

- Add Ultra Grip or UDT Aggregate when additional abrasion resistance or increased traction is desired.

COVERAGE RATES

	T-bar / Back-roll Method	Rolling Method
Mini Kit:	60 SF	30 SF
Standard Kit:	300-400 SF	150-250 SF
Contractor Kit:	600-800 SF	300-500 SF

SHELF LIFE (unopened, stored at or below 75°F / 25°C)

EPIC Part A: 6 months
EPIC Part A-1: 1 year
EPIC Part B: 2 years
EPIC Bond Promoter: 1 year

TECHNICAL DATA

Solids content	46 - 50%	ASTM D2369
Odor	Mild	
Color (when mixed)	Milky White	
VOC Content	<50 g/l	ASTM D7768-12
<i>VOC-compliant in all U.S. states</i>		
Gloss level @ 60° - gloss	90°	
Gloss level @ 60° - matte	10°	
Mixed viscosity	19 cps	ASTM 2196
Pot life, Gloss 4hr / 8hr	45 min / 90 min	
Pot life, Matte 4hr / 8hr	30 min / 60 min	

TECHNICAL DATA (Continued)

Dry times (77 deg / 50% rH)		
- Dry to touch – 4hr / 8hr	3 hrs / 5 hrs	
- Light foot traffic – 4hr / 8hr	4 hrs / 8 hrs	
- Full cure / chemical resistance	7 days	
Adhesion (pull test)	>400 psi (concrete fail)	ASTM D4541
Koenig Hardness (Steel Panel, 7 days cure time)	159 seconds	ASTM D4366-16
1000 Hour QUV - Gloss & Matte		
- CIE Δb (yellow units)	<1	ASTM G154
- CIE ΔE (color change)	<1	ASTM G154
- Δ gloss (gloss change)	<2%	ASTM G154
Taber Abrasion, CS-17, 1,000 grams, 1,000 cycles	29 mg loss	ASTM D4060
Elasticity (Mandrel Bend)	1/8" pass	ASTM D522
Tensile Strength	2185 psi	ASTM D2370
Elongation	75%	ASTM D2370
Water Vapor Transmission	2.43 perms	ASTM D1653
Dry DCOF (Gloss)	0.79	ANSI A326.3-22
Dry DCOF (Matte)	0.54	ANSI A326.3-22

CHEMICAL RESISTANCE

Bleach	Pass
Coffee	Pass
Coca-Cola	Pass
Liquid Hand Soap	Pass
Red Dye #40	Pass*
Alcohol Hand Sanitizer	Pass
Wax Stripper diluted 25%	Pass
Betadine Solution	Pass*
Vinegar	Pass
Ketchup	Pass
Mustard	Pass*
Pickle Juice	Pass
Used Motor Oil	Pass
Toilet Bowl Cleaner	Pass

* Mild stains may occur - removable with rubbing alcohol

PREPARATION, APPLICATION, & MAINTENANCE

Refer to the **EPIC Training Manual** for detailed instructions about floor preparation, mixing, application methods, and cleaning and maintenance. Mixing instructions also appear on Part A labels.

ENVIRONMENTAL CONDITIONS

Test the environmental conditions within the area to be finished using a Psychrometer, Infrared Thermometer, and Moisture Meter.

Air Temperature: Only apply EPIC when air temperature is between 40-90°F (4-32°C). Temperatures below 70°F (21°C) may lengthen dry time. Fans/air movers may be used to aid the drying process.

Humidity: EPIC dry times are lengthened (slower) in high-humidity and shortened (faster) in low-humidity environments. EPIC must NOT be applied when the humidity is above 70%. Adjustments to the temperature or relative humidity may need to be made prior to beginning the coating process. For best results, use fans and/or dehumidifiers when applying coatings in moist or humid environments.

Floor Temperature and Dew Point: EPIC must not be applied when the floor temperature is less than 5° above the dew point. Monitoring the substrate temperature, indoor temperature, and RH, and utilizing fans and/or dehumidifiers as needed will help correct or prevent existing or possible dew point conditions until the installation is complete.

Moisture Content: Ensure that the floor to be coated is dry prior to starting the EPIC application process. Concrete floors must be cured prior to coating (poured and aged at a material temp of at least 75°F for at least 30 days), structurally sound, and free of contaminants including but not limited to waxes, loose paint, dust, dirt, grime, oils, release agents, curing compounds, and any surface laitance (a layer of weak and nondurable material). All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride testing (ASTM F1869) or plastic sheet testing (ASTM D4263) and relative humidity probe testing (ASTM F2170) to determine if excessive levels of moisture vapor emissions are present before applying any coatings. Slabs on grade must have a moisture vapor emission rate of less than 8 pounds / 1,000 SF / 24 hours when measured by calcium chloride test.

WARRANTY

Ultra Durable Technologies, Inc. products are warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied, is made to the effects of such use. Seller and manufacturer's obligations under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective.