

TECHNICAL DATA- EC144X

Residential I: Epoxy Primer

HIGH PERFORMANCE EPOXY COATING

PRODUCT DESCRIPTION:

EC144X is a two component solvent based epoxy coating that exhibits excellent characteristics for abrasion resistance, chemical resistance, and substrate penetration. This product is suitable as a primer for high build coatings and urethane or as a stand alone coating.

RECOMMENDED FOR:

Recommended priming or coating concrete, wood or steel. This product can withstand exposure to many common solvents and chemicals.

SOLIDS BY WEIGHT:

Mixed= 65% (+, -2%)

SOLIDS BY VOLUME:

Mixed= 52% (+, -2%)

VOLATILE ORGANIC CONTENT:

Part A= 3.43 pounds per gallon

Part B= 3.75 pounds per gallon

STANDARD COLORS:

White, off white, light gray, medium gray, tile red, and beige

RECOMMENDED FILM THICKNESS:

5-6 mils per coat wet thickness (yields 3 mils dry)

COVERAGE PER GALLON:

267 to 320 square feet @ 5-6 mils wet thickness

PACKAGING INFORMATION

2 gallon and 10 gallon kits (volume approx.), 2 gal kit= 1 gallon part A (8.5#/gal) (weights approximate) and 1 gal. part B (11.0#/gal) (weights approximate)

MIX RATIO:

1 part A to 1 part B by volume

SHELF LIFE:

1 year

FINISH CHARACTERISTICS:

Satin gloss (30-60 at 60 degrees @ glossmeter)

ABRASION RESISTANCE:

Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 30.2 mg loss

IMPACT RESISTANCE:

Gardner Impact, direct= 50 in. lb. (passed)

FLEXIBILITY:

No cracks on a 1/8" mandrel

ADHESION:

375 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:

Mixed = 300-500 cps (typical)

DOT CLASSIFICATIONS:

Part A "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"

Part B "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"

CURE SCHEDULE: (70°F)

pot life – 2 gallons volume 3-5 hours
tack free (dry to touch)..... 2-4 hours
recoat or topcoat..... 4-6 hours
light foot traffic..... 16-24 hours
full cure (heavy traffic)..... 2-7 days

APPLICATION TEMPERATURE:

40-90 degrees F

CHEMICAL RESISTANCE:

| REAGENT | RATING |
|--|--------|
| acetic acid 5% | A |
| xylene | B |
| mek | A |
| gasoline | B |
| 10% sodium hydroxide | E |
| 50% sodium hydroxide | D |
| 10% sulfuric | C |
| 10% hydrochloric acid | C |
| 20% nitric acid | A |
| ethylene glycol | C |
| Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative. | |

PRIMER:

None required

TOPCOAT:

Optional- Many products are suitable as topcoats including multiple coats of this product. For added chemical resistance, color stability or UV stability, topcoat with a suitable aliphatic urethane.

LIMITATIONS:

- *Colors or gloss may be affected by high humidity, low temperatures, chemical exposure, UV exposure or lighting such as sodium vapor lights.
- *Product is not UV color stable
- *For best results use a 3/8" nap roller
- *Slab on grade requires moisture barrier
- *Substrate temperature must be 5°F above dew point
- *All new concrete must be cured for at least 30 days
- *Product color will vary from batch to batch
- *Physical properties are typical and not specifications
- *Light or bright colors (white, safety yellow, etc.) may require multiple coats or a topcoat to achieve a satisfactory hide, depending on the substrate
- *See reverse side for application instructions.
- *See reverse side for limitations of our liability and warranty.