

**TECHNICAL DATA**  
**Residential I Medium Build Epoxy Coating**  
**EC707LVPX**  
**MEDIUM BUILD EPOXY/PRIMER**

**PRODUCT DESCRIPTION:**

EC707LVPX is a two component 93% (+/- 1%) solids epoxy colored coating designed for applications where a high solids primer is needed before applying high solids or 100% solids topcoats for build coats over concrete.

**RECOMMENDED FOR:**

Recommended for a high build basecoat on concrete or masonry. Product is suitable in many chemical exposure environments.

**SOLIDS BY WEIGHT:**

93% (+/- 1%)

**SOLIDS BY VOLUME:**

85% (+/-2%)

**VOLATILE ORGANIC CONTENT:**

Part A= .14#/gallon, part B= 2.1#/gallon

Mixed VOC less than 95 g/l

**STANDARD COLORS:**

Off white, light gray, medium gray, tile red, beige

**OTHER COLORS ALSO AVAILABLE:**

Dark gray, charcoal gray, brown, tan, light blue, and green

*Special colors are available upon request*

**RECOMMENDED FILM THICKNESS:**

6-12 mils

**COVERAGE PER GALLON:**

133-267 square feet per gallon @ 6-12 mils

**PACKAGING INFORMATION**

3 gallon kit (volume approximate) and 15 gallon kits (volume approximate)

**MIX RATIO:**

12 pounds (1.0 gallon) part A to 3.85 pounds (0.50 gallons) part B (volumes approx.) (standard colors)

**SHELF LIFE:**

1 year in unopened containers

**FINISH CHARACTERISTICS:**

Gloss (typical 60 at 60 degrees )

**ABRASION RESISTANCE:**

Taber adrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 45 mg loss

**ADHESION:**

430 psi @ elcometer (concrete failure, no delamination)

**VISCOSITY:**

Mixed= 500-800 cps (typical, most colors)

**DOT CLASSIFICATIONS:**

Part A "not regulated"

Part B "Flammable Liquid N.O.S., 3, UN1993,PGIIP"

**FLEXURAL STRENGTH:**

8,200 psi @ ASTM D790

**YIELD COMPRESSIVE STRENGTH:**

8,300 psi @ ASTM D695

**TENSILE STRENGTH:**

6,800 psi @ ASTM D638

**GARDNER VARIABLE IMPACTOR:**

50 inch pounds direct – passed

**ULTIMATE ELONGATION:**

2.5%

**HARDNESS:**

Shore D= 80

**CURE SCHEDULE: (70°)**

pot life – 1 1/2 gallon volume .....35-55 minutes

tack free (dry to touch)..... 6-9 hours

recoat or topcoat..... 10-14 hours

light foot traffic.....12-16 hours

full cure (heavy traffic).....2-7 days

**APPLICATION TEMPERATURE:**

60-90 degrees F with relative humidity below 85% for best results

**CHEMICAL RESISTANCE:**

REAGENT	RATING
butanol	C
xylene	C
1, 1, 1 trichloroethane	B
MEK	A
methanol	A
ethyl alcohol	C
skydrol	B
10% sodium hydroxide	E
50% sodium hydroxide	D
10% sulfuric acid	C
70% sulfuric acid	A
10% HCl (aq)	C
5% acetic acid	B

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 unless substrate is very porous, then use EC143X/144X to eliminate air release defects.

**TOPCOAT:**

Recommend epoxy coatings or high builds. Topcoat with aliphatic urethanes for increased UV stability.

**LIMITATIONS:**

\*Color stability or gloss may be affected by environmental conditions such as high humidity or chemical exposure.

\*Colors may vary from batch to batch.

\*This product is not UV color stable but has fairly good color stability, topcoat recommended but optional.

\*Substrate temperature must be 5°F above dew point.

\*For best results, apply a 1/4" nap roller.

\*All new concrete must be cured for at least 30 days prior to application.

\*Although a thinner or lower solids primer is generally unnecessary, some more porous substrates may benefit by the use of a lower solid primer, with this product as an intermediate coat.

\*Physical properties data based on neat resin.

\*See reverse side for application instructions.

\*Physical properties are typical values and not specifications.

\*See reverse side for limitations of our liability and warranty.