

TECHNICAL DATA
Commercial & Industrial 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 volume35-55 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.