TECHNICAL DATA- EC257X
Commercial & Industrial II: Epoxy Primer
CHEMICAL RESISTANT NOVOLAC COLORED EPOXY PRIMER

PRODUCT DESCRIPTION:
EC257X is a two component novolac epoxy primer in colors. EC257X offers high solids, good substrate penetration and low odor. This primer reduces air release generation from the substrate when applying higher solids novolac topcoats. This will result in fewer surface imperfections in high build and self leveling type coating.

RECOMMENDED FOR:
Recommended for priming concrete and cement substrates prior to applying other novolac topcoats. This product can withstand exposure to many chemicals.

SOLIDS BY WEIGHT:
Mixed= 85% (+/- 2%)

SOLIDS BY VOLUME:
Mixed= 80% (+/- 2%)

VOLATILE ORGANIC CONTENT:
Part A= 1.7 pounds per gallon
Part B= 1.25 pounds per gallon

STANDARD COLORS:
Light gray, medium gray, and tile red

RECOMMENDED FILM THICKNESS:
5-6 mils per coat wet thickness (yields 4-5 mils dry)

COVERAGE PER GALLON:
267 to 320 square feet @ 5-6 mils wet thickness

PACKAGING INFORMATION:
3 gallon and 15 gallon kits (volume approx),
3 gal kit= 2 gallons part A (9.95#/gal) and 1 gallon part B (8.3#/gal)

MIX RATIO:
9.95# part A (1 gallon) to 4.15# (1/2 gallon) part B (volumes are approximate)

SHELF LIFE:
1 year in unopened containers

FINISH CHARACTERISTICS:
Satin gloss (>20 at 60 degrees @ Erichsen glossmeter)

FLEXIBILITY:
No cracks on a 1/8" mandrel

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

ABRASION RESISTANCE:
Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 26.1 mg loss

ADHESION:
375 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:
Mixed= 250-500 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 – (1 1/2 gallon volume)……..……...…..1-3 hours
tack free (dry to touch)……...……...……4-7 hours
recoat or topcoat....……..…….....7-10 hours
light foot traffic...……..…….....…12-24 hours
full cure (heavy traffic)... ……..……..……..…....2-7 days

APPLICATION TEMPERATURE:
60-90 degrees F with relative humidity below 90%

CHEMICAL RESISTANCE:

REAGENT	RATING
acetic acid 5%	D
xylene	D
toluene	D
1,1,1 trichloroethane	C
mek	C
methyl alcohol	C
gasoline	D
10% sodium hydroxide	E
50% sodium hydroxide	E
10% sulfuric acid	E
10% hydrochloric acid	E
20% nitric acid	C
ethylene glycol	E

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:
Many novolac products are suitable such as our EC253X or our EC253SL product line.

LIMITATIONS:
*Colors may be affected by high humidity, low temperatures or chemical exposure.
*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.
*Physical properties are typical values and not specifications.
*This product should be topcoated with a suitable novolac epoxy topcoat.
*Colors may vary from batch to batch.
*See reverse side for application instructions.
*See reverse side for limitations of our liability and warranty.

TECHNICAL DATA- EC253X
Commercial & Industrial II: Epoxy Topcoat
ACID/CHEMICAL RESISTANT COLORED NOVOLAC EPOXY SEAL

PRODUCT DESCRIPTION:
EC253X is a two component colored high solids novolac epoxy coating designed for application where splash and spills of acids, chemicals, and solvents occur.

RECOMMENDED FOR:
Recommended for a high build topcoat for traffic areas, chemical troughs and curbs as well as tanks and chemical spill areas for cement masonry or brick.

SOLIDS BY WEIGHT:
96% (+/- 1%)

SOLIDS BY VOLUME:
94% (+/- 1%)

VOLATILE ORGANIC CONTENT:
0.40# per gallon (mixed)

STANDARD COLORS:
Light gray, medium gray, and tile red

RECOMMENDED FILM THICKNESS:
16-18 mils

COVERAGE PER GALLON:
90-100 square feet per gallon @ 16-18 mils

PACKAGING INFORMATION:
3 gallon kit (volume approximate)
15 gallon kits (volume approximate)

MIX RATIO:
10.15 pounds (1 gallon) part A to 4.2 pounds (.50 gallons) part B (volumes approx.)

SHELF LIFE:
1 year in unopened containers

FINISH CHARACTERISTICS:
Gloss (>40 at 60 degrees @ Erichsen glossmeter)

FLEXURAL STRENGTH:
9,610 psi @ ASTM D790- 1/2"X1/2" bars span 4"

COMPRESSIVE STRENGTH:
9,900 psi @ ASTM D695

TENSILE STRENGTH:
6,680 psi @ ASTM D638

ADHESION:
425 psi @ elcometer (concrete failure, no delamination)

ULTIMATE ELONGATION:
4.7%

HARDNESS:
Shore D = 88

GARDNER VARIABLE IMPACTOR:
50 inch pounds direct – passed

ABRASION RESISTANCE:
Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 20 mg loss

VISCOSITY:
Mixed = 2200-2700 cps (typical)

DOT CLASSIFICATIONS:
Part A "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

HEAT DEFLECTION TEMP:
115.5 degrees F, ASTM D648

CURE SCHEDULE: (70°F)
pot life – (1 1/2 gallon volume) ……...……..25-35 minutes
tack free (dry to touch) …….....5-7 hours
recoat or topcoat....……...…....5-10 hours
light foot traffic....……...….....10-18 hours
full cure (heavy traffic)... ……..……...….....2-7 days

APPLICATION TEMPERATURE:
60-95 degrees F with relative humidity below 90%

CHEMICAL RESISTANCE:

REAGENT	RATING
xylene	D
1,1,1 trichloroethane	C
MEK	C
methanol	C
ethyl alcohol	C
skydrol	C
10% sodium hydroxide	E
50% sodium hydroxide	E
10% sulfuric acid	E
70% sulfuric acid	C
10% HC1 (aq)	D
5% acetic acid	D

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:
Recommended EC257X

TOPCOAT:
None recommended

LIMITATIONS:
*Color stability or gloss may be affected by environmental conditions such as high humidity, low temperature or chemical exposure.
*Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.
*Apply a suitable primer before using this product
*This product is not UV color stable and exposure to lighting such as sodium vapor lights may cause discolorations.
*Mixtures of chemicals and applications with exposures to chemicals at elevated temperatures should be thoroughly evaluated before applying coating. A test patch is recommended.
*Product can develop surface irregularities in leveling in combination to some chemical contamination or substrate compositions.
*Substrate temperature must be 5°F above dew point.
*For best results, apply with a 1/4" nap roller.
*All new concrete must be cured for at least 30 days prior to application.
*See reverse side for application instructions.
*Physical properties are typical values and not specifications.
*See reverse side for limitation of our liability and warranty.