

**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 calibre 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
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xylene	D
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1,1,1 trichloroethane	C
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MEK	C
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methanol	C
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ethyl alcohol	C
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skydrol	C
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10% sodium hydroxide	E
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50% sodium hydroxide	E
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10% sulfuric acid	E
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70% sulfuric acid	C
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10% HCl (aq)	D
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5% acetic acid	D
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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.