

# TECHNICAL DATA- Residential I Epoxy Primer Low VOC (EC015X) WATER BASED EPOXY

## PRODUCT DESCRIPTION:

EC015X is a two component water based epoxy coating that exhibits excellent characteristics that rival solvent based products. EC015X has superb chemical resistance, abrasion resistance, and substrate penetration.

## RECOMMENDED FOR:

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

## SOLIDS BY WEIGHT:

Mixed = 53% (colors); 45% (clear); (+, - 2%)

## SOLIDS BY VOLUME:

Mixed = 41% (colors); 36% (clear); (+, - 2%)

## VOLATILE ORGANIC CONTENT:

Colors = 1.01 pounds per gallon (mixed) (regulatory VOC = 175g/l)

Clear = 1.0 pounds per gallon (mixed) (regulatory VOC = 230g/l)

## STANDARD COLORS:

Off white, light gray, medium gray, tile red, beige, and amber clear.

NOTE: The clear (gardner 11) is not water clear and is not suitable for topcoating over previously color coated floors. The clear is suitable as a primer or concrete sealer only.

## RECOMMENDED FILM THICKNESS:

5 -7 mils per coat wet thickness (yields 2-3 mils dry)

## COVERAGE PER GALLON:

229 to 320 square feet @ 5-7 mils wet thickness

## PACKAGING INFORMATION

2 gallon and 5 gallon kits (volume approx.)

## MIX RATIO:

Colors= 8.55# part A (.80 gallons, approximate) to 1.75# part B (.20 gallons, approximate)

Clear= 6.55# part A (.80 gallons, approximate) to 1.90# part B (.20 gallons, approximate)

## SHELF LIFE:

1 year in unopened containers

## FINISH CHARACTERISTICS:

Satin gloss (40-80 at 60 degrees @ glossmeter)

## ABRASION RESISTANCE:

Taber adrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 54 mg loss

## IMPACT RESISTANCE:

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

## FLEXIBILITY:

No cracks on a 1/8" mandrel

## ADHESION:

425 psi @ elcometer (concrete failure, no delamination)

## VISCOSITY:

Mixed = 900-1200 cps (colors); 400-900 cps (clear) (typical)

## DOT CLASSIFICATIONS:

Not regulated

## CURE SCHEDULE: (70F)

pot life – 1 gallon volume ..... 1.0 – 1.5 hours

tack free (dry to touch)..... 5-8 hours

recoat or topcoat..... 7-10 hours

light foot traffic.....16-24 hours

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

## APPLICATION TEMPERATURE:

55-90 degrees F with relative humidity below 75%

## CHEMICAL RESISTANCE:

REAGENT	RATING
acetic acid 5%	B
xylene	B
mek	A
gasoline	B
10% sodium hydroxide	C
50% sodium hydroxide	B
10% sulfuric	B
10% hrdochloric acid	B
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:

Color or gloss may be affected by humidity, low temperatures, chemical exposure or sodium vapor lighting.

Product will yellow in the presence of UV light

For best results use a 1/4" or 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. Use only product from the same batch for an entire job.

Improper mixing or too thick of an application may result in product failure

Light or bright colors (white, safety colors etc.) may require multiple coats or a topcoat to achieve a satisfactory hide, depending on the substrate.

Physical properties listed on this technical data sheet are typical values and not specifications.

See reverse side for limitations of our liability and warranty.

See reverse side for application instructions.