

TECHNICAL DATA- EC110X

EPOXY MORTAR REGULAR FORMULATION PATCH KIT/RESURFACER

PRODUCT DESCRIPTION:

EC110X is a three component 100% solids epoxy mortar designed for applications where excellent wear characteristics and strength are required.

RECOMMENDED FOR:

Recommended for heavy traffic areas, forklift traffic and steel wheel equipment production areas.

NOT RECOMMENDED FOR:

Immersion applications for acids and chemicals.

SOLIDS BY WEIGHT:

100%

VOLATILE ORGANIC CONTENT:

Less than 3.5 g/l

STANDARD COLORS:

light gray, red, dark gray and natural.

RECOMMENDED THICKNESS:

1/8" to 1/4"

COVERAGE PER UNIT:

21.54 sq. ft. @ 1/4" and 43.1 sq. ft. @ 1/8"

PACKAGING

1/4 unit

unit

bulk unit

*UNIT = 9# part A, 2.2# part B, 50# aggregate. A bulk is approximately five units (all weights approximate)

MIX RATIO:

*UNIT = .96 -.98 gallons part A to .26 gallons part B plus 50# aggregate. (weight and volumes approximate)

SHELF LIFE:

2 years in unopened containers

FLEXURAL STRENGTH:

15,150 psi @ ASTM D790

COMPRESSIVE STRENGTH:

11,150 psi @ ASTM D695

TENSILE STRENGTH:

6,800 psi @ ASTM D638

ULTIMATE ELONGATION:

4.65%

IMPACT RESISTANCE:

excellent

ABRASION RESISTANCE:

excellent

HEAT DEFLECTION TEMP.:

70.5 degrees C @ ASTM D648

WEATHERING:

good (chalks)

DOT CLASSIFICATION:

Part A & C "not regulated"

Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

VISCOSITY:

Part A = 450-750 cps, Part B = 290-500 cps

CURE SCHEDULE:

pot life (.45 cu. ft. mix) 30-40 minutes @ 70° F

recoat or topcoat.....7-8 hours @ 70 degrees F

light foot traffic.....14-16 hours @ 70 degrees F

full cure (heavy traffic)...2-7 days @ 70 degrees F

APPLICATION TEMPERATURE:

55-90 degrees F

CHEMICAL RESISTANCE:

REAGENT	RATING
xylene	B
1,1,1 trichloroethane	C
methanol	B
ethyl alcohol	B
skydrol	B
10% sodium hydroxide	C
50% sodium hydroxide	C
10% sulfuric acid	B
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

TOPCOAT:

None required. For increased performance and reduced porosity, topcoat with EC94X or EC95X

LIMITATIONS:

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

Epoxy products are not UV color stable and may discolor if exposed to certain types of light such as sodium vapor lighting.

Colors may vary from batch to batch due to variations in the silica filler.

Mortar colors are not from our standard color chart.

Substrate temperature must be 5° F above dew point.

For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration.

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

See reverse side for application instructions.

Test data based on neat resin.

Physical properties are typical values and not specifications.

See reverse side for limitations of our liability and warranty.