

TECHNICAL DATA- EC829X FLEXIBLE JOINT SEALANT

PRODUCT DESCRIPTION:

EC829X flexible joint sealant is a two component polymer hybrid containing both urethane and epoxy resins to provide a resilient filler for expansion joints. This material has excellent flexibility and provides exceptional adhesion characteristics. The two component material (standard) is supplied with a black component and a white component so proper mixing can be easily observed.

RECOMMENDED FOR:

Recommended for expansion joints in general industry as well as expansion joints of highways, bridges, airports, garages, and marine decks.

NOT RECOMMENDED FOR:

Not recommended for applications for all acids and chemicals.

SOLIDS BY WEIGHT:

100%

VOLATILE ORGANIC CONTENT:

Zero pounds per gallon

COLORS AVAILABLE:

Medium gray (mixed) Part A is white and Part B is black.

RECOMMENDED THICKNESS:

1/2" to 1 1/2"

COVERAGE PER KIT:

2 gallon kit @ 1/2" by 1.0" yields 60-70 lineal feet

PACKAGING

2 gallon kit

CUBIC FEET

.24 (approx)

*2 gallon kit= 8.9#/gallon (.90 gallon net) part A and 11.3#/gallon (.90 gallon net) part B. (volumes and weights approximate)

MIX RATIO:

1 to 1 by volume

SHELF LIFE:

6 months in unopened containers

FLEXURAL STRENGTH:

2,782 psi (ASTM D-790)

TENSILE STRENGTH:

3,289 psi (ASTM D-412)

ELONGATION AT BREAK:

50.4% at 70 degrees F (ASTM D-412)

IMPACT RESISTANCE:

Excellent

ABRASION RESISTANCE:

25.4 mg loss with a 1000 gram total load at 1000 revolutions with a CS10 wheel.

PRODUCT TYPE:

Epoxy urethane hybrid

SHORE HARDNESS:

shore D= 56

ADHESION:

420 psi (elcometer)- no delamination/concrete failure

VISCOSITY:

Mixed= 40,000 to 60,000 cps (typical)

DOT CLASSIFICATION:

Part A "not regulated"

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

CURE SCHEDULE: (70°)

pot life – 2 gallon mix 30-40 minutes

recoat or topcoat 10-12 hours

light foot traffic 16-24 hours

full cure (heavy traffic).....3-5 days

APPLICATION TEMPERATURE:

Above 50 degrees F

CHEMICAL RESISTANCE:

| REAGENT | RATING |
|-----------------------|--------|
| xylene | B |
| 1,1,1 trichloroethane | B |
| MEK | A |
| methanol | A |
| ethyl alcohol | C |
| skydrol | B |
| 10% sodium hydroxide | D |
| 50% sodium hydroxide | D |
| 10% sulfuric acid | B |
| 70% sulfuric acid | A |
| 10% HCl (aq) | B |
| 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. Many epoxies and urethane are compatible.

LIMITATIONS:

*Color stability may be affected by environmental conditions such as high humidity, chemical exposure, or exposure to UV light as well as sodium vapor lighting.

*Colors may vary from batch to batch.

*Gray color is not from our standard color chart.

*Substrate temperature must be 5°F above dew point.

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

*This product must be mixed very well before using. Improper or inadequate mixing can cause isolated soft spots and subsequent failure.

*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.