

ARM829X

FLEXIBLE JOINT SEALANT

PRODUCT DESCRIPTION

ARM829X 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 applications for all acids and chemicals.

SPECS

SOLIDS BY WEIGHT	100%
MIX RATIO	1 to 1 by volume
VOLATILE ORGANIC CONTENT	Zero pounds per gallon
RECOMMENDED THICKNESS	1/2" to 1 1/2"
SHELF LIFE	6 months in unopened containers
FLEXURAL STRENGTH	2,782 psi (ASTM D-790)
ABRAISON RESISTANCE	25.4 mg loss with a 1000 g total load at 1000 revolutions w/ a C510 wheel.
TENSILE STRENGTH	3,289 psi (ASTM D-412)
ELONGATION AT BREAK	50.4% at 70 degrees F (ASTM D-412)
HARDNESS	shore D= 56
ADHESION	420 psi (elcometer) - no delamination/concrete failure
VISCOSITY	Mixed= 40,000 to 60,000 cps (typical)
PRODUCT TYPE	Epoxy urethane hybrid
DOT CLASSIFICATION	Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII".
PACKAGING CUBIC FEET	2 gallon kit .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)

COVERAGE

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

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

CURE SCHEDULE

POT LIFE (2 Gallon Volume)	30-40 minutes
RECOAT OR TOPCOAT	10-12 hours
TACK FREE (Dry to touch)	16-24 hours
LIGHT FOOT TRAFFIC	16-24 hours
FULL CURE (heavy traffic)	3-5 days
APPLICATION TEMPERATURE	Above 50 degrees F

PRIMERS

None required

TOPCOAT

None required. Many of ArmorPoxy's epoxies and urethanes are compatible.

CHEMICAL RESISTANCE

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% HC1 (aq)	B
5% acetic acid	B

Rating Key: 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.

FEATURES



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.