

KAUFMAN

PRODUCT
INFORMATION

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SurePoxy Flexijoint

Description

SurePoxy Flexijoint is a gray semi-rigid moisture insensitive epoxy joint sealant; designed to support the joint edges on control joints in concrete floors in heavily used areas. SurePoxy Flexijoint protects these edges against breaking off, spalling and deterioration caused by hard wheel plant vehicles. It provides the perfect blend of high bond strength and excellent traffic bearing characteristics, where resiliency, flexibility and chemical resistance are required.

Uses

Use neat to seal and fill cracks, as a concrete bonding compound or a wear resistant seal coat. Special aggregates can be added to produce a mortar to patch and repair concrete.

Typical Properties- @ 75°F

Mixing Ratio	1:1 by volume
Color	Concrete Gray
Viscosity	Self Leveling
NVM	100%
Pot Life	18-22 minutes
Light Traffic Ready	6-8 hours
Full Cure	7 days

Ultimate Physical Characteristics-@ 75°F

Tensile Strength (ASTM D-638)	1,200 psi.
Tensile Elongation (ASTM D-638)	55-65%
Adhesion to Concrete (ASTM C-321)	200-400 psi. Failure in Concrete
Hardness - Shore A (ASTM D-2240)	90
Hardness - Shore D (ASTM D-2240)	50
Bond Strength	Greater than concrete
Water Absorption (ASTM D-570)	1% max.

All values approximate-will vary with temperature and humidity.

Packaging/Yield

22 oz. cartridge
2 gallon unit - 462 in³

Joint Size/L.F. Per Gallon

Width X Depth	L.F. Gal.
1/8" X 3/4"	200
1/8" X 1"	150
1/8" X 1 1/4"	125
1/8" X 1 1/2"	100
1/8" X 1 3/4"	85
1/8" X 2"	75
3/16" X 3/4"	135
3/16" X 1"	100
3/16" X 1 1/4"	85
3/16" X 1 1/2"	70
3/16" X 1 3/4"	60
3/16" X 2"	50
1/4" X 3/4"	100
1/4" X 1"	80
1/4" X 1 1/4"	60
1/4" X 1 1/2"	50
1/4" X 1 3/4"	45
1/4" X 2"	40
3/8" X 1"	50
1/2" X 1"	40
3/4" X 1"	25

Special Features

Self-Leveling
Moisture insensitive
No priming
Shock absorbent
Reinforces concrete joints
Excellent adhesion
Resists wheels & heavy loads
Silicone free
Pumpable

Specifications

USDA OK

VOC

0 grams/liter

Directions

Always follow ACI 302. *Guide to Concrete Floor and Slab Construction.*

For professional use only. Not for sale or use by the public.

LIMITED WARRANTY: We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, there are no warranties which extend beyond the description on the face hereof, and Kaufman Products, Inc. makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc. shall have no other liability with respect hereto. The user shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salespeople, distributors, and their salespeople have no authority to change the printed recommendations concerning the use of our products.

Surface Preparation

Rough out the old joints and remove all old joint fillers. If necessary, enlarge joint width and cut down into the concrete at least 1/4' to form a "T" shape cross section. Be sure joint edges are square. If not, correct using SurePox LM Gel, follow cleaning directions for new concrete.

Pour sand into the bottom of the control joints to prevent seepage of SurePox Flexijoint through the sub-grade. Do not use a closed cell backer rod in the bottom of the joints since it may defeat the purpose of full load transfer from one slab to the other. Joints may be dry or damp.

Mixing

SurePox Flexijoint is a 1:1 by volume mixture for easy mixing. Stir each component and combine and stir well until color is uniform. Avoid air entrainment. Pour the mixed material into the joint, filling it approximately 1/2" from the top. Allow SurePox Flexijoint to settle 15-20 minutes and then completely fill to the level of the floor before it begins to set. Hot weather will shorten the set time.

Precautions

Shelf life is one-year minimum at room temperature. Do not thin. For best results materials should be stored and used between 60-90°F. See precautions and directions on containers. Do not thin. Do not apply over standing water. Do not use it in expansion or moving joints. SurePox Flexijoint is intended for application in basically nonmoving joints. Do not apply until concrete joint is a minimum of 28 days old or until shrinkage has stopped. A 60-90 day cure is preferred. Joints should also be under permanent temperature control.

Read Safety Data Sheet before using it. Please refer to the *General Epoxy Instructions* for complete details on proper application during cold and hot weather. SurePox Flexijoint is an ASTM C-881 Class C epoxy resin system. Using it in temperatures below 60°F will affect the physical properties reported on the product data sheet. If using SurePox Flexijoint in temperatures below 60°F is desired, please consult Kaufman Products Technical Service Department for usage guidance.

Technical Information

Test results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.