

# K A U F M A N

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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, neat 1 lb.	50-60 min.
Full cure	7 days

#### Ultimate Physical Characteristics-@ 75°F

Compressive Strength (ASTM D-695)	3000 psi.
Tensile Strength (ASTM D-638)	500 psi.
Tensile Elongation (ASTM D-638)	5-20%
Adhesion to Concrete (ASTM C-321)	200-400 psi.
Hardness - Shore A (ASTM D-2240)	85
Hardness - Shore D (ASTM D-2240)	50
Bond Strength	Greater than concrete
Moisture Absorption	1% max.

All values approximate-will vary with temperature and humidity.

### Packaging/Yield

22 oz. cartridge  
2 gallon unit - 462 in<sup>3</sup>

### Joint Size/L.F. Per Gallon

Width X Depth	LF.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

### Specifications

USDA OK

### VOC

0 grams/liter

### Directions

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

## Surface Preparation

Rough out the old joint 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 with SurePoxym LM Gel, follow cleaning directions for new concrete.

Pour sand into the bottom of the control joints to prevent seepage of SurePoxym 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

SurePoxym 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 SurePoxym 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 in expansions or moving joints. SurePoxym 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.* Please refer to the *General Epoxy Instructions* for complete details on proper application during cold and hot weather.

## 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.

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