KAUFMAN

PRODUCT
INFORMATION

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K Pro Flexijoint

Description

K Pro Flexijoint is a rapid setting, semi-rigid moisture insensitive urea modified polymer joint sealant designed to support and protect joint edges on control and construction joints in concrete floors in heavily used areas. K Pro Flexijoint protects the concrete edges against breaking off, spalling and deterioration caused by hard wheel plant vehicles. The gray 100% solids polymer is hard, rubberlike filler. It provides the perfect blend of high bond strength and excellent traffic bearing characteristics, where resiliency, flexibility and chemical resistance are required.

K Pro Flexijoint combines the advantages of polyurea joint fillers with their very fast set time along with the long-term durability, adhesion, chemical resistance and structural integrity of epoxy resins.

Uses

Developed to fill and protect joints in industrial concrete floors that are subject to hard wheels and heavy loads. Its primary function is to support such traffic and support the joint edges. K Pro Flexijoint can also be used to seal and fill cracks in floors in areas other than joints.

Typical Properties- @ 75°F

Mixing Ration	1:1 by volume
Color	A: Clear, B: Gray
Viscosity	Easily Self Leveling
NVM	100%
Pot life, 1 lb.	3 min.
Tack Free	5 minutes
Light traffic	15 minutes
Traffic Ready	30 minutes

Ultimate Physical Characteristics-@ 75°F

Tensile Strength (ASTM D-638)	1500 psi.
Tensile Elongation (ASTM C-321)	250-300%
Hardness - Shore A (ASTM D-2240)	85-95
Hardness - Shore D (ASTM D-2240)	35-40
Bond Strength	Greater than concrete
Moisture Absorption	1% max.

All values approximate-will vary with temperature and humidity.

Packaging/Yield

2 gl. unit) (7.57 liters) 462 cu. in
10 gl. unit (37.9 liters) 2310 cu. In
110 gl. Unit (416 liters) 25410 cu. In.
22 oz. cartridge (2.60 liters) 79.4 cu. In.

Joint Size *Width X Depth*	Yield *LF./Gal.*	*LF./Cartridge*
3/16" X 1 ½"	70	12.0
3/16" X 2"	50	8.6
3/16" X 2 ½"	41	7.0
1/4" X 1 ½"	50	8.6
1/4" X 2"	40	6.9
1/4" X 2.5"	30	5.2
3/8" X 1 ½"	34	5.8
3/8" X 2"	25	4.3
3/8" X 2.5"	20	3.4

Special Features

Fast Setting
Special equipment not required
Self-Leveling
100% solids- No evaporation
Can be used on damp surfaces
No priming
Shock absorbent
Reinforces concrete joints
Excellent adhesion
Resists wheels & heavy loads

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 SurePoxy LM Gel, follow cleaning directions for new concrete.

Joints should be completely free of saw laitance, foreign matter, coatings, old sealants and frost.

All joint facings must possess an open surface texture with all curing and sealers removed. We recommend that the full depth of the joint or crack be filled with this product for proper load transfer. Sand can be used to seal the crack at the bottom of the joint. Pour sand into the bottom of the control joints to prevent seepage of K Pro 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.

The installation should be deferred as long as possible after slab placement and should not be installed prior to 30 days to ensure adequate adhesion. ACI recommends that the slab cure of 60-90 days or longer to permit for greater concrete shrinkage/joint opening lessening the expected incidence of joint filler separation. Stabilize ambient areas to temperatures expected in the final use. If freezer areas are to be treated, maintain 70F for 7 days.

Mixing

K Pro Flexijoint is a 1:1 by volume mixture for easy mixing. Stir the gray B component before use and combine with Component A and stir well until completely uniform. Avoid air entrainment.

The material sets in 3 minutes, so only mix as much material as you can pour within that time. Pour the mixed material into the joint filling it slightly above the joint, leaving a crowned profile and allow to cure. Hot weather will shorten the set time. The crown may be easily razored off as soon as it sets and up to 24 hours later depending on temperature.

If K Pro Flexijoint levels below the floor surface, due to settlement into the void at base of joint, remove the top ½" of filler and re-apply within 1 day.

Precautions

Shelf life is one-year minimum at room temperature. Do not thin. For best results materials should be stored and used between 50-90°F. For temperatures outside this range, call KPI. See precautions and directions on containers. Do not apply over standing water. Do not use in expansions/isolation or moving joints. K Pro 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 of the concrete is preferred. Joints should also be under permanent temperature control. Material may discolor in sun or artificial light. Read Material Safety Data before using. Please refer to the *General Epoxy Instructions* for complete details on proper application during cold and hot weather.

Technical Information

The following 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.