

Technical Data Sheet

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Based on Nuplex
Epoxy Technology

K130 JOINTING and FILLING EPOXY

DESCRIPTION:

K130 is a slightly flexible two part epoxy urethane compound for the filling of concrete control and construction joints.

FEATURES

Good handling properties
Fluid
Tough yet flexible
Available in colours
Strong
Solvent free / No VOC's.
Fast cure

BENEFITS

Pourable and self flattening in joints but not too fluid that it runs excessively.
Little aeration & easy to apply.
Controls most standard control joint movements yet is tough and wear resistant.
Versatile
Supports concrete edges, prevents fretting and concrete edge chipping.
Use confined and public areas.
Rapid reuse of areas

NORMAL END USES:

Concrete joints
Joints in synthetic polymer toppings eg: Terrazzite, Sureshield
Joints between dissimilar materials
Adhesive for dissimilar materials.
Speciality adhesive.

Colours: Off white, Gold . Tints available, see later.

Pack sizes: 2 Lt kits (boxed A&B to make up 2Lt). Or made to order in large pack sizes for commercial work

TYPICAL PROPERTIES:

	RESIN	HARDENER
Appearance:	Filled liquid (colours)	Amber viscous liquid
Specific Gravity:	1.1	1.0
Flash Point:	>100°C	>100°C
Shelf Life:	>12 months	>12 months

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	by weight		by volume	
MIX RATIO:				
	Resin	3.4		3
	Hardener	1		1
POT LIFE:	@ 12°C	@ 15°C	@ 20°C	
	40 minutes	30 minutes	15-20 minutes	

(Usable Life)

Limitations: Not intended for early, or early-mid concrete curing movement

CURE TIME: 12-24 hours @ 20°C

COVERAGE: Use as volume required (0.001m³ = 1Lt)

Volume of Joint (litres of material required) = (width(mm) x depth(mm) x length(m)) div by 1000

Colour Mixing

Other colours may be created by tinting K130 off-white

- Light grey add 2 grams or 2mls black TTP tinter per 2lt K130 off white kit, add to resin and premix before hardener added.
- Dark grey add 15 grams or 15mls black TTP tinter per 2lt K130 off white kit, add to resin and premix before hardener added

MIXING INSTRUCTIONS:

After any tinting, Mix part A & B carefully and slowly. Aeration of the mix can result in blistering of the K130 joint surface. Carefully mix the product according to the stated mix ratio. The mix ratio is the only acceptable formula. Increased hardener levels result in a weaker product. Mix until uniform and no streakiness is evident. With K130, mixing is critical. Unmixed K130 will result in soft patches in the joint. May be slow drill mixed. Avoid air entrainment when mixing. Normally mix full kits to avoid mixing errors.

SURFACE PREPARATION:

Clean the joint by running saw blade on each side of the joint. Insert PEF form backer rod. K130 may be applied by pouring, barrel gun or cartridge.

JOINT DESIGN:

Joints are typically a minimum of 6-12mm across. Depth of joint must not exceed width of joint. K130 is to be adhered to the two joint sides only. Three point adhesion. Ie to the base, will limit K130 elongation. This could lead to cracking or splitting. Delay joint installation until the maximum amount possible of concrete shrinkage has occurred. Joint width must be designed to accommodate anticipated movement taking into account the movement capability of K130. Ensure the joint sides are freshly cut and dry clean. Ensure the joint base is clean. Use PEF foam rod as appropriate. Tape the surface of the sides of the joint and bag in the mixed K130. Tool off the excess carefully and remove the tape. Protect the area until cured.

COVERAGE RATES:(Approx)

Approx 1lt / m². But this will vary depending on the specific application.

Read the data sheet for that system. Usage in sealant joints is calculated simply on the joint volume. (see above).

Eg a joint 12mmW x 6mmD x 100m L would require 7.2 Lts of NPU (no wastage)

APPLICATION

Cont

Application

K130 is applied in a variety of ways. One common method is to apply masking tape to the edges of the joint. Pour in the K130, slightly over filling. Using a spatula, slowly and carefully strike off the excess and remove the tape before the K130 cures.

For polished floors, a K130 joint can be overfilled and may be ground flat.

HEALTH AND SAFETY:

Use gloves wherever possible. Wash hands with warm, soapy water after any skin contact. Re-seal all container tightly. Clean up with Solvent HA.

CURED PROPERTIES:

Maximum Operating Temperature:	75°C (continuous)
Density kg/L:	1.05
Compressive Strength MPa:	40
Shore A Hardness:	80
Max Recommended Movement Capability:	5% of joint width

