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Based on Nuplex Epoxy Technology

K273 CONSTRUCTION EPOXY PASTE

DESCRIPTION:

K273 construction epoxy paste is a high performance construction epoxy mortar.

FEATURES

- Cures down to 5°C
- Adheres to wet concrete
- Excellent adhesive properties
- Simplex 1:1 mix ratio
- Apply underwater

BENEFITS

- Site environment tolerant
- Use in many situations
- Use with many materials
- Operator tolerant
- Versatile

NORMAL END USE:

- Pile Face-end bonding (use in conjunction with K80)
- Metal bonding
- Fibreglass articles (pipes into fibreglass tanks)
- PVC pipes to concrete
- Wet / cold concrete

TYPICAL PROPERTIES:

	<u>RESIN</u>	<u>HARDENER</u>
Appearance:	Thick white paste	Thick black paste
Specific Gravity:	1.65	1.65
Flash Point:	>100°C	>100°C
Shelf Life:	>24 months	>24 months

MIX RATIO:

	<u>by weight</u>	<u>by volume</u>
Resin	1	1
Hardener	1	1

POT LIFE:
(Usable Life)

<u>@ 5°C</u>	<u>@ 15°C</u>	<u>@ 20°C</u>
60 minutes	40-50 minutes	20 minutes

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K273 (cont'd)

<u>CURE TIME:</u>	3 days @ 5°C, 24 hours @ 20°C
<u>COVERAGE:</u>	Use as volume required (0.001m ³ = 1Lt)
<u>SURFACE PREPARATION:</u>	Concrete: Acid etch, shot blast, grind clean and free from oil and dirt Metals: Grind to clean, bright surface

MIXING INSTRUCTIONS:

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.

APPLICATION:

Mixed K273 is slightly sticky. Use gloves. Often applied by placing in a plastic bag and squeezing out (particularly underwater). May be put in cartridge tubes and extruded. Smear on both surfaces and cure whilst bonded.

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 Eposolve 70.

CURED PROPERTIES:

Maximum Operating Temperature:	85°C
Density kg/L:	1.65
Compressive Strength MPa:	80
Tensile Strength MPa:	25 - 35
Tensile Bond Strength MPa:	9 - 11
Flexural Strength:	25 - 30

OTHER EPOXY PRODUCTS:

K80	Pourable Grout	K214	General Purpose Adhesive
K102	H.V. Mortar	K36	Clear Laminating Resin
K125	Paste	K78	Crack Repair
K230	Fast Set Paste	K85	Rapid Set Pourable
K273	Low Temp Paste		Fairing Cream Sandable Smoothing Paste
K268	Rapid Set Paste		
K106	Structural 24 hour Adhesive		
K219	Structural 5 minutes Adhesive		
K138	High Strength, Structural Heat Resistant Adhesive		
K2005	High Peel Strength, Structural Adhesive		
Repikit 310	Concrete Crack Repair Tube and Kit		