



TECHNICAL DATA

Technical data may be updated at any time. It is the users responsibility to check data validity by reference to the website or Nuplex Construction Products.

MANUAL SECTION	ISSUE DATE	AUTHORISED	REPLACES	PAGE
<i>Construction Products</i>	<i>August 2005</i>	<i>PM</i>	<i>New Issue</i>	<i>1 of 2</i>

Based on Nuplex Epoxy Technology

K83 MACHINABLE EPOXY GROUT (ALSO KNOWN AS K75 POURABLE GROUT)

DESCRIPTION:

K83/k75 pourable grout is a fluid, high quality, high-strength epoxy.

FEATURES

- Excellent adhesion
- Machinable
- Fluid
- High adhesion
- High impact strength

BENEFITS

- Suitable for many applications
- Many uses
- Flows in to small crevices
- Bonds to metal, concrete, timber
- Resistant to cracking

NORMAL END USES:

- Machinable moulding resin.
- Suitable for filling/backing crusher liners.
- Electrically neutral material for potting.

TYPICAL PROPERTIES:

	<u>RESIN</u>	<u>HARDENER</u>
Appearance:	Opaque beige liquid	Clear pale liquid
Specific Gravity:	1.30	1.0
Shelf Life:	>24 months	>24 months
PackTypes:	1 litre, 4 litre kits plus bulk sizes	
MSDS	Refer website	

MIX RATIO:

Resin/Hardener

by weight

100 / 10

by volume

100 / 17

POT LIFE:

(Usable Life)

20-30 minutes at 20°C

Caution: pot life is based on 100gram samples. Large quantities of mixed epoxy will generate heat and the pot life may be significantly reduced.

No warranty either expressed or implied or statutory is made by NUPLEX in this document except as expressly stated in any sale and purchase agreement entered into between NUPLEX and the buyer.

This document is a technical data information sheet. The description of the product or products and the properties of the product or products contained in this document is for the sole purpose of identifying the product or products and describing their property or properties and does not constitute a warranty that the product or its properties shall conform to that description; nor is the description of the product and/or its properties a warranty by NUPLEX that the goods are suitable for a particular purpose.

NUPLEX CONSTRUCTION PRODUCTS

PO Box 12841, Penrose, Auckland Telephone 0-9-579 2029 Fax 0-9-579 3709 www.nuplexconstruction.co.nz email: bpdsales@nuplex.co.nz

H A M I L T O N	PALMERSTON NORTH	W E L L I N G T O N	CHRISTCHURCH
Telephone 0-7-847 8658	Telephone 0-6-353 3685	Telephone 0-4-477 7040	Telephone 0-3-366 6802
Fax 0-7-847 3766	Fax 0-6-353 3632	Fax 0-4-477 7039	Fax 0-3-379 0279

K83/K75 (cont'd)

<u>CURE TIME:</u>	2 hours at 20°C
<u>COVERAGE:</u>	Use by volume as 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. K83 may be tinted to various colours using Nuplex tinters.

APPLICATION:

- Crusher Lining:**
K75 (K83) is used to pour into the liner cavity to provide a strong backup material which reduces the wear rate.
- Machinable/Castable Product:**
K83 can be poured into a mould to produce a smooth and uniform cast. It can be coloured with Nuplex tinting pastes. Used in conjunction with release agents (QZ5111 liquid and QZ5110 paste).
- Electrical Potting:**
K83 may be used to cast and encapsulate electrical components.

HEALTH AND SAFETY:

Use gloves wherever possible. Wash hands with warm, soapy water after any skin contact. Re-seal all containers tightly. Clean up with Eposolve 70.

CURED PROPERTIES:

Maximum Operating Temperature:	75°C
Density kg/L:	1.2
Compressive Strength MPa:	110-120
Tensile Strength MPa:	30 - 40
Tensile Bond Strength MPa:	10 - 12
Flexural Strength:	35 - 40

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		