



MANUAL SECTION	ISSUE DATE	AUTHORISED	REPLACES	PAGE
<i>Construction Products</i>	<i>July 1999</i>	<i>PM</i>	<i>Sept 1997</i>	<i>I of 2</i>

Based on Nuplex  
Epoxy Technology

## K214 GENERAL PURPOSE EPOXY ADHESIVE

**DESCRIPTION:**

K214 is a versatile epoxy adhesive with good handling properties for many applications.

**FEATURES**

- Gel consistency
- 2:1 mix ratio
- Thixotropic
- Excellent adhesion

**BENEFITS**

- Easier to apply but won't run
- Simpleratio
- Won't run, gap filling
- Many uses to many substrates

**NORMAL END USES:**

- Bonding timber, furniture, boats
- Bonds fibreglass, concrete and metals
- Laminates ply
- Flooring adhesive for **rubber** to concrete or timber
- Flooring adhesive for timber flooring
- Flooring adhesive for most rigid vinyl tiles

**TYPICAL PROPERTIES:**

	<b><u>RESIN</u></b>	<b><u>HARDENER</u></b>
<b>Appearance:</b>	Milky white gel	Amber thixotropic gel
<b>Specific Gravity:</b>	1.15	0.96
<b>Flash Point:</b>	>100°C	>100°C
<b>Shelf Life:</b>	>24 months	>24 months

<b>MIX RATIO:</b>	<b><u>by weight</u></b>	<b><u>by volume</u></b>
	Resin	<b>2</b>
	Hardener	<b>1</b>

<b><u>POT LIFE:</u></b> <b>(Usable Life)</b>	<b><u>@ 15°C</u></b>	<b><u>@ 20°C</u></b>
	100-140 minutes	60-80 minutes
Pot life is shortened if material is held in bulk (spread out to prevent heat build up).		
<b>CURE TIME:</b>	24 hours at normal ambient conditions	

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**NUPLEX K214** (cont'd)**COVERAGE:**

1. Use as volume required  
(0.001m<sup>3</sup>=1Lt)
2. 1Lt covers 1m<sup>2</sup> @ 1mm thick.
3. Rubber tiles require 3m<sup>2</sup>/mixed Lt.
4. Wooden flooring approx 2-3m<sup>2</sup>/mixed Lt.

**SURFACE PREPARATION:**

1. Timbers: sand with 80 grit to roughen.
2. Concrete: grind or acid etch.
3. Metals: grind to clean bright finish, wipe with Eposolve 70.

**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:**

Use above 12°C ambient temperature, ensure substrates are at that temperature. Apply mixed K214 with spatula and clamp materials together overnight.

For bonding **rubber flooring**, apply the adhesive at the recommended spread rate with a notched trowel and **roll** flooring in the wet adhesive. Materials with a "memory" may need to be weighted down. May be tinted with **colour pastes**. **For timber flooring**, apply the mixed K214 to the substrate with a notched trowel and apply the timber into the wet adhesive. **Vinyl tiles:** use a notched trowel and apply at 4-5m<sup>2</sup>/Lt. Roll heavily in all cases, **before** the adhesive sets.

**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:**

<b>Maximum Operating Temperature:</b>	50 - 60°C
<b>Density kg/L:</b>	1.05
<b>Compressive Strength MPa:</b>	70 - 80
<b>Tensile Strength MPa:</b>	12 - 16
<b>Tensile Bond Strength MPa:</b>	N/A
<b>Flexural Strength:</b>	30 - 40
<b>Water Absorption % @ w/w:</b>	0.7 - 0.9

**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	K268	Rapid Set Paste
K106	Structural 24 hour Adhesive	Fairing Cream	Sandable Smoothing Paste
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		