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Based on Nuplex Epoxy Technology

K78 ULTRA THIN CONCRETE CRACK REPAIR EPOXY

DESCRIPTION:

TECHNICAL DATA

The K78 epoxy system is an ultra low viscosity (thin) epoxy for bonding concrete and for injecting to re-bond cracked concrete.

<u>FEATURES</u> <u>BENEFITS</u>

- Ultra low viscosity
- Cures at 5°C
- Will bond to damp concrete
- Penetrates fine cracks
- Site tolerant
- Site tolerant

NORMAL END USES:

- Crack repair via injection systems.
- Binds up crumbly concrete.
- Bonding new to old concrete.

TYPICAL PROPERTIES:

RESINHARDENERAppearance:Very thin liquidVery thin liquidSpecific Gravity:1.150.93Flash Point:>142°C>114°CShelf Life:>24 months>24 months

MIX RATIO: by weight
Resin 100 5

Hardener 34 2

POT LIFE: @ 5°C @ 15°C @ 20°C (Usable Life) 45 minutes 15-20 minutes Very fast

CURE TIME: 14 hours to concrete failure @ 5°C

6 hours @ 20°C

COVERAGE: Use as volume required $(0.001 \text{m}^3 = 1 \text{Lt})$

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NUPLEX CONSTRUCTION PRODUCTS

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NUPLEX K78 (cont'd)

SURFACE PREPARATION: Concrete: Shot blast, grind or acid etch

Cracks: Blow clear with clean, dry,

oil free compressed air.

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 <u>weaker</u> product. Mix until uniform and no streakiness is evident.

APPLICATION:

Crack Repair:

Apply injection ports to surface of crack with K268 or K273. Cover crack surface with K268 or K273. Inject <u>mixed</u> K78 with pump or grease gun system until epoxy exits upper ports.

CAUTION:

Do not use K78 as a finished surface, it cures (on contact with moist air) to a tacky surface.

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:70°CDensity kg/L:1.05Compressive Strength MPa:80 - 90Tensile Strength MPa:60 -65

Elastic Modulus: N/mm² 3100 - 3300

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 Crean	n 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		
Renikit 310	Concrete Crack Repair Tube and Kit		