



ADHESIVE ENGINEERING.

ADHESIVE ENGINEERING N.S.W. IS A DIVISION OF CARVERU PTY LIMITED A.C.N. 001 693 509
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P 13

HIGH STRENGTH STRUCTURAL EPOXY PASTE.

DESCRIPTION: P13 High strength structural paste adhesive with medium gap filling capacity. measured two part kit.

RATIO: Two parts "A" & One Part "B" by weight or volume.
Mixed viscosity is a smooth knifing , extruding or injecting paste. P13 is not self-levelling.

COMPOSITION: Solvent free, water tolerant Epoxy Resin with special selected fillers to achieve its thixotropic behaviour without the use of asbestos fibres.

It has the ability to wet out and successfully incorporate additional quartz sands to an upper limit of 1.5 times its own weight without significant difference in its thixotropic behaviour.

THICKNESS: May be applied in any reasonable thickness in the horizontal & 4mm in the vertical & overhead situations.

SUBSTRATES: May be applied to a great variety of correctly pre-treated surfaces, such as concrete, brick, masonry, rubber, aluminium, steel, timber & laminates, plastics.

PROPERTIES CURED: 7 days @ 25 degrees

CHEMICAL RESISTANCE: Good to excellent.

DURABILITY: No recorded failure due to ageing since introduction in 1981.

WORK TIME: 1 litre, 15 minutes at 25 degrees C.

SETTING TIMES: 1 litre, 45 minutes at 25 degrees C.

CURE TIME: 60 % of ultimate strength in 24 hours, full cure in 7 days.

COMPRESSIVE STRENGTH: (Ultimate) 118 Mpa.

TENSILE STRENGTH: (Ultimate) 75 Mpa.
Filled with 3 parts H.P. aggregate 66Mpa

BOND STRENGTH: 20Mpa (in a bond test to concrete ; the concrete fails).

DENSITY: 1.1 g / cm³

MAXIMUM OPERATING TEMPERATURE: 90 degrees C.

MIXED COLOUR: Light cream.

SHELF LIFE: Two years.

PACKAGING: 600g, 1.5, 3, 6 litre kits.

APPLICATIONS:

- P13 High Strength Structural Paste is generally used to repair damaged or bony concrete
- To adhere similar or dissimilar building materials to one another.
- Load bearing pads with H.P. aggregates.
- Permanent bond of earthenware or concrete pipes.
- Bond tiles in under-water situations.
- Crack repair by filling & injection.
- General purpose adhesive.
- Grouting of Dowel Bars, Bolts & Studs, Sole Plates & Engine Chocking.
- Can be ground, filed, drilled, sawn & polished.
- Wet to Dry bonding of new concrete to old, good for vertical surfaces.
- Laminating timber forms with gap filling capacity, can be ground or machined after curing.
- Fibre glass structural laminates, Wets out Silan treated fibreglass fabric & rovings throughly.

MANUFACTURING:

The component parts of P13 High Strength Structural Paste are manufactured to strict specifications and exacting Quality Control Policy & Documented Procedures to A.S.3903

CLEAN UP TOOL EQUIPMENT:

Clean tools with A.E. Tool Cleaning Solvent.

Use a Barrier Cream on exposed skin. Wash hands with soap & water, not solvent.

NOTES.....

Manufactured by **ADHESIVE ENGINEERING** NSW
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