

GENERAL PURPOSE EPOXY ADHESIVE

**EQUAL VOLUME MIX
DOES NOT SUPPORT ALGAE GROWTH
EASY TO MIX AND APPLY
WATER SMOOTHABLE
GAP FILLING PROPERTIES**

PRODUCT DESCRIPTION:

A two component, solvent free epoxy paste designed to have supportive tack with reasonable working time, and quick gain of adhesive strength.

USES:

- Bonding concrete, tiles, bricks, ceramic, steel, fiberglass and wood.
- Fixing steel bars, bolts or structural fittings horizontally into concrete.
- Grouting tiles and ceramic products exposed to wet conditions.
- Sealing cracks and filling cavities in concrete floors and walls.
- Bonding steel door and window frames to brickwork or concrete and installing burglar proof bars into masonry structures.

PACKAGING & COVERAGE:

1 Litre and 4 Litre kits – Part A and B
1m²/litre at 1mm thick

SURFACE PREPARATION:

Surfaces must be clean, sound and dry. Exposed concrete surfaces must be sandblasted or chipped to show the well-bonded main aggregate. Steel should be grit-blasted clean, free of rust, paint or foreign matter likely to affect the bond or performance of the repair.

MIXING:

Precondition material to between 15°C to 25°C before using. Premix each component of the kit. Empty each component of the kit on a clean flat board and thoroughly mix together for 4 to 5 minutes, using a gauging trowel or putty knife until a uniform colour is achieved. If smaller quantities are required for the repair, accurately measure out equal volumes of Base and Activators, i.e. 1:1.

APPLICATION:

Using a notch trowel or putty knife, apply the mixed material to the surfaces, ensuring full contact will be made when items are brought together. Remove squeezed out excess adhesive and smooth exposed glue line with water and a cleaned application tool or sponge.

CLEAN-UP:

Clean equipment immediately after use with Pro-Struct 105 Cleaner and rinse with clean water.

LIMITATIONS:

Application temperature of substrate to be 15°C and rising. Low temperatures adversely affect application spread rates and time to achieve bond. Hot temperatures decrease working time. Do not apply over wet surfaces. Do not thin with solvent.

PRECAUTIONS:

Use materials in strict accordance with the manufacturer's Material Safety Data Sheet. Protective clothing and equipment will significantly reduce risk of injury. Body coverage apparel, safety goggles and impermeable gloves are recommended. In case of contact, flush with copious amounts of water and seek medical attention. Dispose of waste materials and containers in strict accordance with Government Regulations.

TYPICAL PROPERTIES AT 25°C

Colour	Light Grey
Consistency	Paste
Volume Solids	100%
Number of Components	2
Mix Ratio by Volume (Base:Activator)	1:1
Pot Life	90 to 120 Minutes
Coverage	1m ² /litre at 1mm
Apply Over	Prepared metal and concrete surfaces
Apply By	Trowel or Putty Knife
Initial Set	4 Hours at 25°C 16 Hours at 15°C
Service	16 Hours
Full Cure	4 Days
Application Temperature Range	15°C to 35°C
Maximum Service Temperature	60°C
Compressive Strength	> 50 MPa at 24 hours >70 MPa at 4 days
Concrete Bond Strength	Breaks concrete
Shelf Life	24 Months if stored between 15°C to 30°C
VOC	<1 g/l