



C-POXY 15

15-MINUTE EPOXY ADHESIVE

DESCRIPTION

C-POXY 15 is a general purpose, unfilled, fast-setting epoxy adhesive. Recommended for bonding metal, ceramics, stone, glass, concrete, wood, fiberglass and many plastics such as polyester, ABS and rigid PVC (not suitable for PTFE-PP-PE and rubbers).

PHYSICAL PROPERTIES

	PART A (RESIN)	PART B (HARDENER)
Composition	Epoxy Resin	Polymercaptan
Viscosity (25°C -cps)	11000–13000	12000–14000
Colour	Colourless / Clear	Colourless / Clear
Specific Gravity @ 25°C	1.19	1.12
Mixing Ratio (VOLUME)	1	1

CURING BEHAVIOUR (AT 25°C)

Gel Time	14–16 minutes
Cure Time (Functional)	1–2 hours
Mixing Colour	Colourless / Clear
Shear Strength (ISO 4587)	11–15 N/mm ²
Hardness (Shore D)	75–80
Gap to fill	0.1–2.1 mm



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CHEMICAL RESISTANCE (AFTER 24 HOURS FROM CURING):

CHEMICAL	TEMPERATURE	AFTER 100 HOURS	AFTER 500 HOURS
Motor Oil	40°C	EX	EX
Water	25°C	EX	EX
Cooling Gas	25°C	EX	EX
Gasoline	25°C	EX	EX

DIRECTIONS FOR USE

Part A and B need to be mixed thoroughly in the correct volume ratio for minimum 1 minute before use. Gel time of the mixed product is 14–16 minutes at room temperature.

Parts requiring bonding should be assembled and kept close without any stress. Assembling is continued until full curing takes place.

Excess of the product can be cleaned with Acetone or any solvent-based cleaner compatible with the substrates to bond.

For best results, it is recommended to scratch (if possible) the surface, then gently degrease and clean the excess material off the area.

NOTE: Shear strength will increase roughly to 25–27 N/mm² if bonding parts are allowed to cure 50 minutes at room temperature 25°C (77°F) followed by 2 hours cure at 100°C (212°F) (if possible).

STORAGE

Product must be kept in a cool and dry room at 10°C to 25°C.

SHELF LIFE

Minimum two (2) years in unopened packaging at +5°C / +27°C.

SAFETY AND HANDLING

Consult Material Safety Data Sheet (MSDS) before use.

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