

# Rapid Set 2 Part Epoxy Adhesive

## Technical Data Sheet

### Product Description:

Rapid Set Epoxy adhesive is a two part epoxy system which provides gel times of less than one minute when mixed at a 1:1 ratio under ambient conditions. It is a solvent free, room temperature curing, high strength adhesive.

### Uses:

Rapid Set Epoxy adhesive will bond a variety of substrates including metal, wood, ceramics, masonry, glass, dry concrete, chipboard, cardboard and most hard plastics, fabrics and rubbers.

### Typical Properties (mixed):

Appearance	Pale yellow liquid
Physical form	Liquid
Specific Gravity	1.15

### Specifications:

Viscosity at 25°C, cP	8000—15000
Mix Ratio:	1:1
Gel Time at 25°C	30-50 sec
Tensile strength	2800 – 4100 mPa
Elongation	3 - 5 %
Compressive strength	4800 – 6900 mPa
Application Temperature	+10 to +30°C
Service Temperature	-50 to + 65°C depending on conditions of use.
Water resistance	Good (but not designed for constant immersion)
Chemical resistance:	
Oil & Petrol	Good
Chemicals	Good

### Preparation and Application:

- 1) Ensure surfaces are dry, clean and free from dust, dirt and grease. For best results lightly roughen surfaces with fine abrasive paper.
- 2) Hold the body of the syringe between forefinger and thumb just below the flanges at the plunger end.
- 3) Gently hold the nozzle section with finger and thumb of the other hand, and pull the nozzle until it clicks into the open position.
- 4) Apply the adhesive to one surface by slowly depressing the plunger, and press the two surfaces together firmly and hold for at least 60 seconds, or until set.

### Cleaning:

Uncured resin/hardener mixtures can be cleaned from surfaces using cellulose thinners or acetone.

### Important Note

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it..

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