



## TECHNICAL DATA SHEET

### RS 553-614

### 3g Quick Set Epoxy Adhesive

This fast curing epoxy resin will bond to a wide variety of materials (i.e. wood, metal, plastic and ceramic) and cure rapidly to give handling strength in approximately 5 minutes. It is suitable for the rapid assembly of small components or for fast and effective repair work.

- Fast Curing Epoxy Adhesive
- Environmentally Friendly – 100% Solids
- Full Cure at Room Temperature
- Easy to Use and Apply
- Adhesion to a wide variety of substrates
- Low Shrinkage

**Approvals**                      **RoHS-2 Compliant (2011/65/EU):**                      **Yes**

#### Typical Properties:

Liquid Properties:	Base Material	Epoxy
	Colour Part A - Resin	Clear
	Colour Part B - Hardener	Clear
	Mix ratio (by weight)	1:2
	Part A Viscosity (mPa s @ 23°C)	11000
	Part B Viscosity (mPa s @ 23°C)	15000
	Mixed System Viscosity (mPa s @ 23°C)	~ 35,000
	Density Part A (g/ml)	1.16
	Denisty Part B (g/ml)	1.15
	Usable Life (at 23°C)	3 mins
	Handling Time (at 23°C)	5 mins
	Full Cure (at 23 °C)	24 hours
<b>Cured System:</b>	Lap Shear Strength (MPa)	~ 9
	Temperature Range (°C)	-55 to +100
	Colour (Mixed System)	Clear

#### Mixing Procedures

##### 'Burst Pack' Sachet

The 3g Quick Set Epoxy adhesive is packed into a 3g 'Burst-Pack' sachet. Resin and hardener are mixed together on the supplied mixing palette using the wooden spatula provided. The adhesive can then be applied to the substrate using the wooden spatula.