

# Slow Set Epoxy (301602/301604)

## Technical Data Sheet

### Product Description

Slow Set Epoxy is a clear, solvent free epoxy adhesive, with a moderately slow open time suitable for larger assemblies. This diverse adhesive can join a huge array of different materials (see below), providing a high strength bond. In addition, once cured, this toughened adhesive can be machined, sanded and even painted.

### Typical Applications

Wind Blade Ancillary Bonding, Boat Building, Sign Manufacture, Furniture manufacture, Automotive Manufacture, Wood Fillers

### Physical Appearance (Mixed)

Appearance	Almost colourless
Specific Gravity	1.07
Viscosity @20°C mPa·s	5,000
Mix Ratio By Volume	1:1
Working Time in Nozzle	20 Minutes

### Typical Properties Cured Material

Typical Handling Strength @ 20°C (35%)	60 mins
Load Bearing Strength @ 20°C (50%)	3 Hours
Full Cure Time @ 20°C (100%)	72 Hours
Temperature Resistance	-50°C to 80°C
Gap Fill	up to 2.0mm
Hardness Shore D	65

### Typical Strength values (DIN 53281-83)

Pressure (Mpa)	10
Tensile (Mpa)	40
Torsional (Mpa)	50
Impact Resistance (kJ/m <sup>2</sup> )	50
E-Module (Mpa)	1700-2000

### Typical Shear strength values (DIN 53283) on:

Sandblasted Steel (N/mm <sup>2</sup> )	21
Sandblasted Aluminium (N/mm <sup>2</sup> )	19
Rigid PVC roughened (N/mm <sup>2</sup> )	14

### Example Substrates

Metals, Fibreglass, Most Plastics, Stone, Ceramics, and Wood.

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