

## TECHNICAL DATA SHEET FOR LOCKFAST 30 MIN EPOXY

### **Product Description**

Lockfast 30-minute epoxy is a high strength, solvent free adhesive. That can be applied to connect, many different types of materials such as metals, fiberglass, most plastics, stone, ceramics, and wood. In addition to extra working time allowing users more time to align parts on large assemblies before curing, which once cured this toughened adhesive can be machined, sanded and even painted.

### **Typical Applications**

This product is suitable for wind blade ancillary bonding, boat building, sign manufacture, furniture manufacture, automotive manufacture and a wood filler.

### **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

**Disclaimer:** The data contained herein are furnished for informational purposes only and are believed to be reliable. However, Cyanotec Ltd does not assume responsibility for any results obtained by persons over whose methods Cyanotec Ltd has no control. It is the user's responsibility to determine the suitability of Cyanotec Ltd products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Cyanotec Ltd products. Cyanotec Ltd specifically disclaims all warranties express or implied, including warranties of scalability and suitability for a particular purpose arising from sale or use of Cyanotec Ltd products. Cyanotec Ltd further disclaims any liability for consequential or incremental damages of any kind including lost profits.

#### **CYANOTEC LTD**

Bay 2, Building 62, Third Avenue, Pensnett Trading Estate, Kingwinford, DY6 7XT  
Tel 01384 294753 Fax 01384 297908 Email [sales@cyanotec.com](mailto:sales@cyanotec.com)

30 Min  
Epoxy  
V3  
June 19  
Issue by TC