

**Product Description**

Lockfast® LF460 a low odour, low bloom, medium viscosity instant adhesive designed to enhance user comfort. Low staining properties, reduce the appearance of whitening on bonded joints. It is suitable for bonding a wide range of common substrates.



**Physical Properties**

Liquid State		Cured State	
Base	Ethyl Cyanoacrylate	Colour	Clear
Colour	Straw	Specific Gravity (20°C)	1.17
Specific Gravity (20°C)	1.06	Service Temperature	-55 °C to 70°C
Refraction Index (n 20D)	1.439	Refractive Index (n 20D)	1.48
Flash Point (°C)	>80°C	Dielectric Constant (at 10MHz)	3.5
Shelf Life	6 months	Soluble in Acetone, Nitromethane.	
Boiling Point	65°C at 16mmHg		
Viscosity (cP)	40-80		

**Available Sizes**

20g / 50g Bottles

**Bond Strength**

(Tensile shear strength, cured for 24 hours at 20-25°C)

Substrate	N/mm <sup>2</sup>
Rigid PVC to Rigid PVC	2 to 3
ABS to ABS	5 to 7
Nitrile Rubber to Nitrile Rubber	5 to 9
Stainless steel to Stainless steel	7 to 10
Aluminium to Aluminium	7 to 10

**Fixture Time vs. Humidity**

Instant adhesives require surface moisture on the substrates in order to initiate the curing mechanism. The speed of cure is reduced in low-humidity conditions.

**Storage**

Store in a cool area and out of direct sunlight. Refrigeration to 5°C gives optimum storage stability.

**General Information**

For information on safe handling of this product consult the Safety Data Sheet (SDS).

**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 saleability 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.

**Hot Strength**

Lockfast® instant adhesives are suitable for use at temperatures up to 80°C. At 80°C the bond will be approximately 70% of the strength at 21°C.

**Chemical/Solvent Resistance**

Lockfast® instant adhesives exhibit excellent chemical resistance to most oils and solvents including motor oil, leaded petrol, ethanol and isopropanol. Cyanoacrylates are generally not resistant to high levels of moisture or humidity over extended periods of time.

**Fixture Time vs. Bond Gap**

Lockfast® instant adhesives give best results on close fitting parts. The product should be applied in a very thin line in order to ensure rapid polymerisation and a strong bond. Excessive bond gaps will result in slower fixture times.

**Fixture Time vs. Activator**

Lockfast® instant adhesive Activator LF786 may be used with instant adhesives where a faster cure speed is required. Fixture times of less than 2 seconds can be obtained with most cyanoacrylates. Testing on the parts to measure the effect is recommended.

At Cyanotec, we are committed to providing you with personalized guidance to identify the most suitable solution for your needs. If you are aware of the product you require and would like to receive a quote, please feel free to call us at 01384 294 753. Alternatively, you may email your specifications to sales@cyanotec.com, and we will promptly prepare a quote for you.