

## EUROBOND Cyanolit 403TB

### Description

CY403TB is a High Viscosity thixotropic and flexible grade of cyanoacrylate adhesive which exhibits non-drip characteristics for bonding of metals, rubbers and plastics. Ideal for bonding inverted surfaces, where large gap fill is important or where materials are porous/absorbent. Being flexible CY403TB is particularly good for bonding high stress components and resists impact shocks. CY403TB exhibits Higher Temperature resistance compared to other Cyanoacrylates.

### Applications

Typical applications, ferrite cores, magnets, loud speaker cones, leather trims, electronic components. Versatility of usage includes the bonding of cork, wood, ceramic, most plastics, metals etc.

### Useful hints and Notes

Where a fast cure is required the use of an activator can be used. An activator will help cure through thickness of adhesive and give faster cure.

### Physical Properties

Ester Based:	Ethyl-2-cyanoacrylate
Appearance:	Black.
Flashpoint:	>81°C
Density:	1.05
Shelf Life:	6 months unopened.
Viscosity (Brookfield)@25°C: (spindle 4, 20rpm)	4000-6000cP

### Physical Properties of Cured Material

Appearance:	Black
Softening Point c:	130°C
Refractive Index:	1.45
Full Cure time:	24 hours
Solubility:	DMFm acetonitrile, acetone

### Performance of Cured Material

Cure Speed	
Balsa / Balsa:	<20 seconds
Oak / Oak:	NA
Nitrile / Nitrile:	<7 seconds
Neoprene / Neoprene:	<10 seconds
EPDM / EPDM:	<10 seconds
Steel /Steel:	10-20 seconds
PVC / PVC:	5-10 seconds
Polycarbonate / Polycarbonate:	1

### Shear Strength

	ASTM D1002, DIN53283
Grit Blasted Steel:	18-26 N/mm <sup>2</sup>
Etched Aluminium:	11-19 N/mm <sup>2</sup>
Nitrile Rubber:	10-14 N/mm <sup>2</sup>
Polycarbonate:	11-15 N/mm <sup>2</sup>

### Contact Details

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#### Tensile Strength

Grit Blasted Steel:	>22 N/mm <sup>2</sup>
Nitrile Rubber:	>10 N/mm <sup>2</sup>
Neoprene Rubber:	>10 N/mm <sup>2</sup>
EPDM Rubber:	>8 N/mm <sup>2</sup>

#### Handling and safety properties

Cyanoacrylate should ideally be stored in the original container until used. Containers should be stored between 10°C and 22°C; avoid exposure to strong light and heat sources. Refrigeration can prolong shelf life.

#### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their particular use.

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