

High Performance – Cyanoacrylate Range



A range of high performance cyanoacrylate adhesives designed to overcome the limitations of other similar adhesives

General Purpose – Prism 401 A general purpose instant adhesive designed to give an ultra fast cure, without activator on a wide range of substrates including acidic and porous surfaces eg. metals, wood, cork, leather, foam, paper and ceramics. Supplied in a 3g Super Attak Matic non-clog dispenser or 20g bottle.

High Speed – Prism 406 Ensures uniform fast fixing of 'difficult' rubbers and plastics. Bonds polyethylene, polypropylene and polyolefin plastics when used in conjunction with Prism 770 Order Code 298-359, see **Page 3**. Supplied in a 20g bottle.

Super Attak Gel – Prism 454 This gel version of the 401 general purpose adhesive can be applied to vertical surfaces without running or dripping. It will fill gaps of up to 1.0mm (when used with activator 7455 Order Code 537-135, see **Page 3**) to enable the bonding of parts which are poorly matched. Supplied in either 3g or 20g tubes.

Low Odour, Low Bloom – Prism 460 Can safely be used close to delicate electronic assemblies, alongside optics and where bonds must be cosmetically perfect eg. on clear or dark shiny plastics. Supplied in a 20g bottle.

Toughened – Prism 480 A black rubber toughened instant adhesive for superior resistance to peel and stack loads. It has a better moisture resistance than other super glues and resists higher temperatures. Particularly suited to bonding of metals. Peel strengths better than those of many epoxies can be achieved. Supplied in a 20g bottle.

Selection Guide	Operating Temperature	Shear Strength N/mm ²	Viscosity cps	Max. Gap Fill mm	Comments
Prism 401	-50°C to +80°C	18-26	95-125	0.1	General purpose including acidic and porous surfaces
Prism 406	-50°C to +80°C	18-26	10-30	0.1	High speed bonding of rubbers and plastics
Prism 454	-50°C to +100°C	18-26	Gel	1 with activator	Gel version of 401
Prism 460	-50°C to +80°C	14-22	25-60	0.1	Low bloom low odour grade
Prism 480	-50°C to +100°C	22-30	100-500	0.1	Toughened adhesive for fast bonding of metals and high peel strength

CHM137X

Description	Mfrs.		Price Each			
	List No.	Order Code	1+	10+	50+	100+
401 3g dispenser	7809006	537-070				
401 20g bottle	0301302	537-081				
406 20g bottle	0301352	108-258				
454 3g tube	7504002	537-093				
454 20g tube	0301342	537-100				
460 20g bottle	0301322	537-111				
480 20g bottle	0301181	537-123				

High Performance – Cyanoacrylate Range



Ultra Fast C792 PLUS

- High speed bonding for all difficult applications
- Bonds a wide variety of surfaces (including difficult to bond plastics)
- Even bonds acidic surfaces

Non-Drip C2010 PLUS

- Does not run or drip on vertical surfaces
- Improved gap filling
- Excellent on porous surfaces
- Can be used to wire tack with Perma-bond C Surface Activator

Toughened C737 Black Magic

- High temperature resistance
- Improved peel strength (often better than epoxy resins)
- Fast curing
- Blends with black rubber and plastic surfaces, ensuring a clean, decorative finish

C Surface Activator

- Use to enhance cure speed of Perma-bond cyanoacrylates
- Cures exposed fillets – especially useful for wire tacking

A range of versatile, high performance cyanoacrylates, designed to outperform conventional superglues. All supplied in easy to dispense bottle with pin cap ensuring the nozzle remains clear.

	C792	C2010	C737
Cure speed	1-7s	3-15s	20-50s
Tensile strength	20N/mm ²	20N/mm ²	25N/mm ²
Viscosity	75mPa.s	30000mPa.s	3250mPa.s
Operating temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +120°C
Gap fill	0.125mm	0.375mm	0.5mm

CHM98X

Mfrs. List No.	Order Code	Price Each			
		1+	10+	50+	100+
20g Bottle	C792	634-852			
20g Bottle	C2010 20	224-261			
20g Bottle	C737	634-864			
200ml Aerosol	CSA	634-876			

Activator, Cyanoacrylate – 7455



150ml Aerosol

CHM131X

- Activator recommended to cure exposed fillets of cyanoacrylate adhesives after assembly
- When used with high viscosity adhesives, bond lines of up to 1mm can be cured in approx. 2 minutes

Warning: Highly flammable, do not use near any source of ignition, use in a well ventilated area.

- Please check with Sales Office for availability

Mfrs. List No.	Order Code	Price Each			
		1+	10+	50+	100+
0904022	537-135				

Polyolefin Primer



10g Bottle

- One-part colourless polyolefin primer
- Solvent based
- Allows cyanoacrylate adhesives to bond high and low density materials such as polyethylene*, polypropylene*, polyolefin*, PTFE*, silicone* and thermoplastics*
- Behaves as an activator
- Accelerates cure speed of cyanoacrylate adhesive making 'difficult' surfaces suitable for bonding
- Fluorescent under ultra violet light
- Dries rapidly at room temperature
- Supplied in 10g bottle with brush

*Note: We recommend that PRISM 770 is used for difficult to bond materials in conjunction with PRISM 406, see Order Code 108-258.

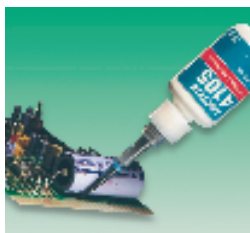
Warning: Flammable contents, do not use near any source of ignition, use in a well ventilated area.

- Please check with Sales Office for availability

CHM86X

Order Code	Price Each			
	1+	10+	50+	100+
.298-359				

Toughened – 4105



- Toughened cyanoacrylate based adhesive
- Easily dispensed
- Quickly bonds wide range of substances at room temperature
- Use of acceleration activator reduces cure time
- Adhesive has excellent resistance to pad, cleavage loading and stress from thermal shock
- Good humidity and solvent resistance
- Withstands wave soldering processes
- Can be used as strain relief
- Suitable for mounting large electronic components and circuit board covers

- Kit contains 20g soft bottle of adhesive and 25ml of acceleration activator

Viscosity @ 25°C (Brookfield)	15,000 cps	Curing schedule	15 sec to 2 minutes*
Operating temperature	-60°C to +105°C	Colour	Black

* This time depends upon the materials being bonded, also the thickness of the bond line (the curing time may be shortened by using the Acceleration Activator).

Warning: Flammable contents, do not use near any source of ignition, use in a well ventilated area.

Note: Due to shelf life, this product should be used within three months or purchase in order to maximise its performance.

- Please check with Sales Office for availability

CHM85

Two-Part Kit Order Code	Price Each				
	1+	5+	20+	50+	100+
.537-172					