

Born2Bond Ultra Cyanoacrylate Adhesives



Description

Also available to buy online at [mouser.com](https://www.mouser.com)  **SHOP** 

The **Born2Bond™ Ultra** series of cyanoacrylate adhesives are high quality, single part “instant” adhesives able to bond most substrates including plastics, rubbers and metals. Formulated using MECA (methoxyethyl cyanoacrylate) chemistry, the Ultra series of cyanoacrylate adhesives cure instantly and produce a strong bond, even in joints that are subject to flexing.

Born2Bond Ultra cyanoacrylate adhesives are low-odour and low-blooming, but still cure at very fast speeds, avoiding the compromise of either low blooming or fast cure. The low odour/low bloom formulation means that they are suitable for applications where visual aesthetics are important.

Available in low, medium, high and gel viscosity variants, the **Born2Bond Ultra** series are a flexible range of products which can be used in a variety of applications.

Born2Bond Ultra adhesives can be used with **Born2Bond Booster** for faster cures, and **Born2Bond Primer** which is used to facilitate the bonding of difficult to bond plastics.

Features & Benefits

- Fastest bonding MECA-based cyanoacrylate adhesives

Born2Bond Ultra Cyanoacrylate Adhesives



- Low odour, low bloom with fast cure – no compromise
- High bond strength
- Less brittle than conventional “instant” adhesives
- Bond a large range of materials, including polystyrene
- Transparent bond lines
- Non hazardous, non-irritating

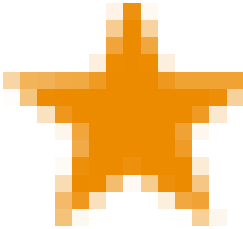
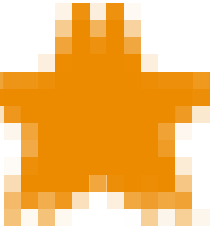
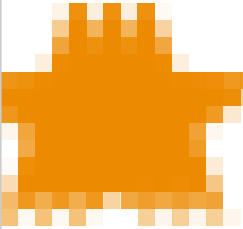
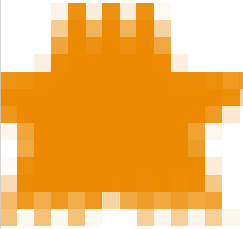

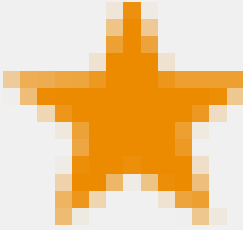
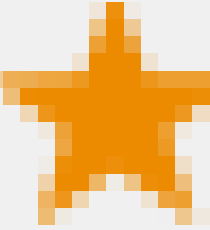
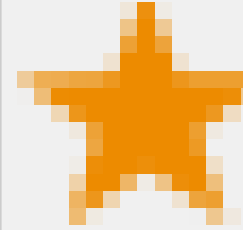
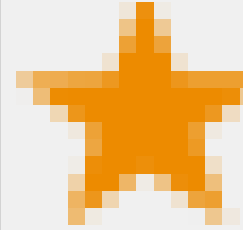

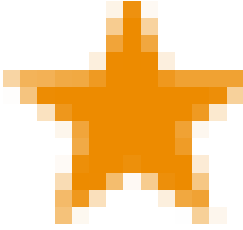
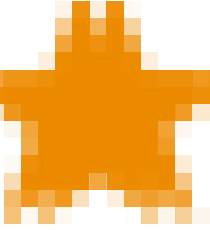
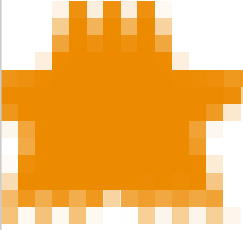
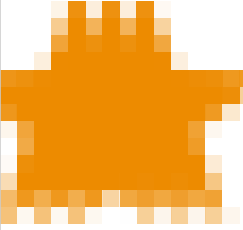

Applications

- Plastics, rubber and metal bonding
- Loudspeaker and motor assembly
- Electronic component bonding and pcb assembly
- Leather bonding
- Automotive aftermarket
- Rubber seals

Substrate	Ultra LV	Ultra MV	Ultra HV	Ultra Gel
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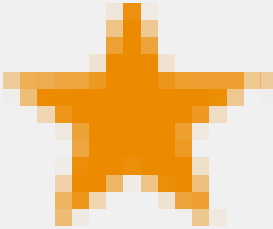
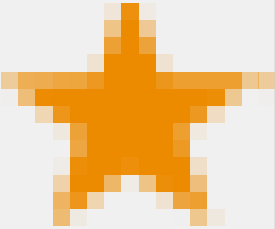
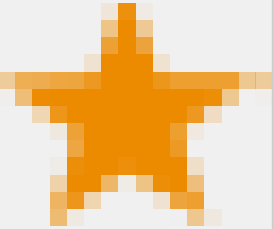
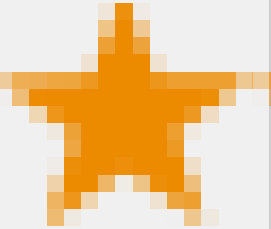
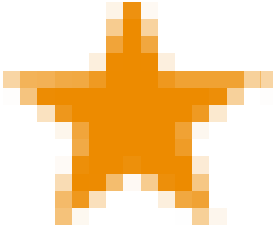
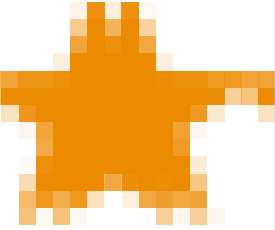
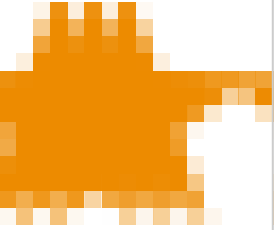
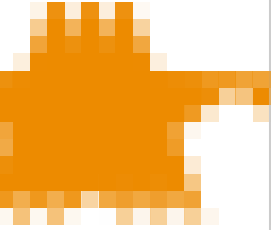
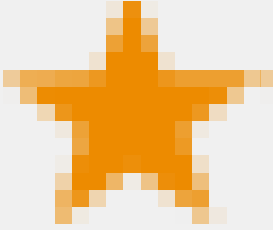
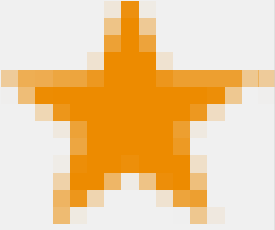
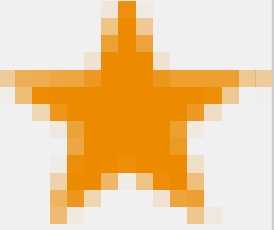
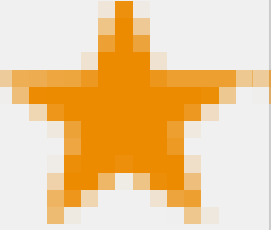
Born2Bond Ultra Cyanoacrylate Adhesives



ABS Acrylonitrile- butadienestyrene					
PC Polycarbonate					
PC/ABS Blend of PC and ABS					

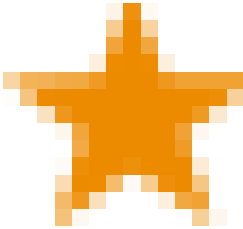
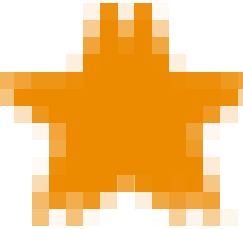
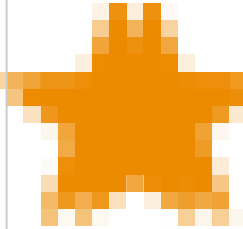
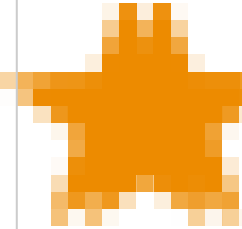
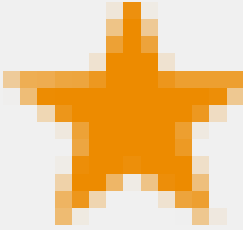
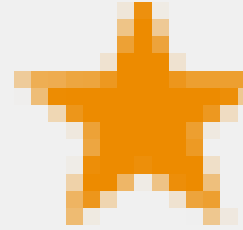
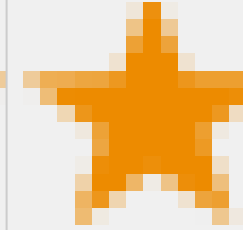
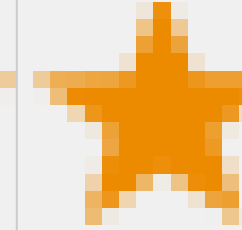
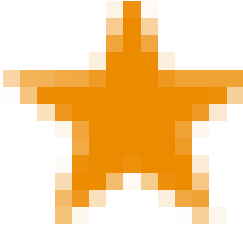
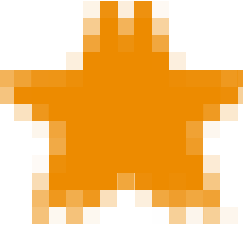
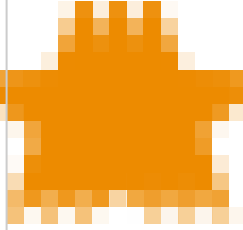
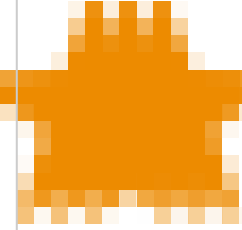
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PE Polyethylene (with Primer)				
PMMA Poly(methyl methacrylate)				
PP Polypropylene (with Primer)				

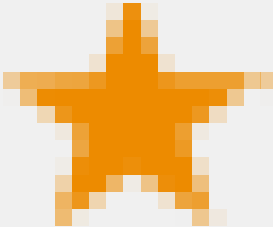
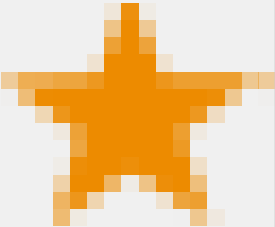
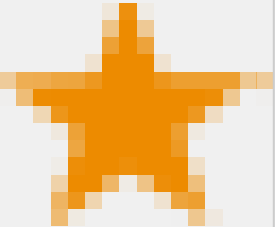
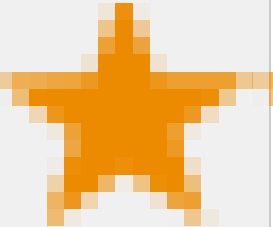

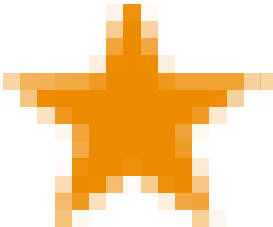
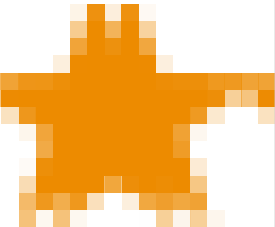
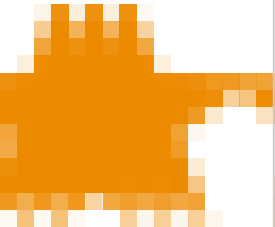
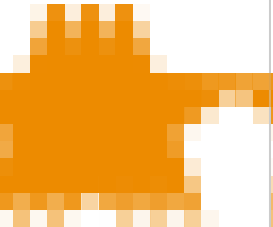

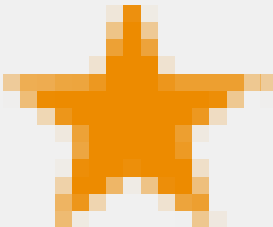
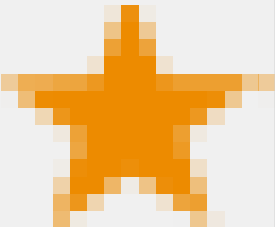
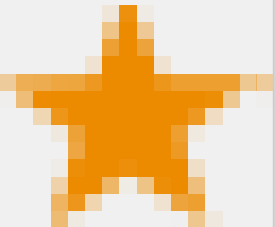
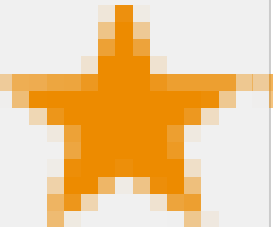

Born2Bond Ultra Cyanoacrylate Adhesives



PPO Poly(phenylene oxide) (with Primer)				
PS Polystyrene				
PS Polystyrene (with Primer)				



Born2Bond Ultra Cyanoacrylate Adhesives



PU Polyurethane (with Primer)					
PVC Polyvinyl chloride					
TPU Thermoplastic polyurethane (with Primer)					

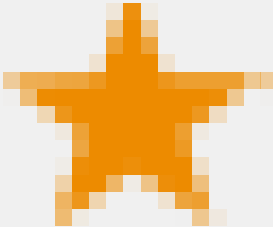
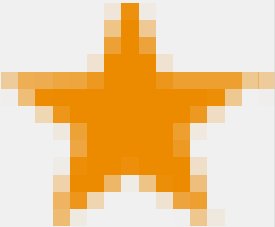
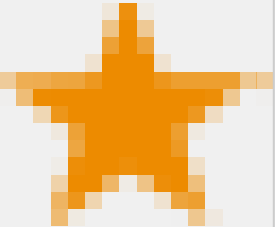
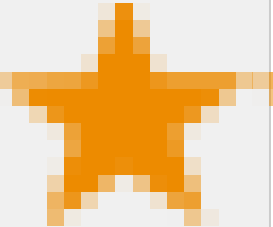

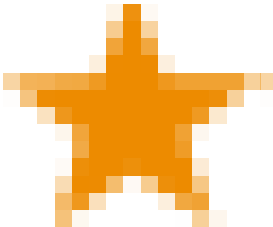
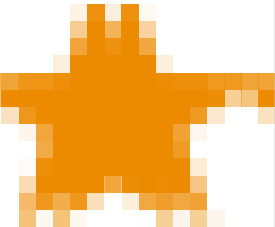
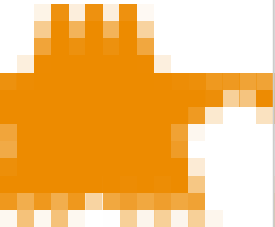
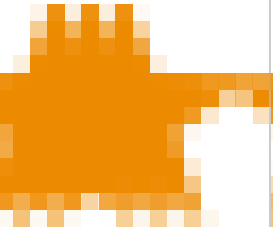

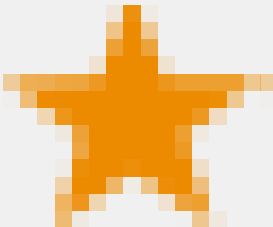
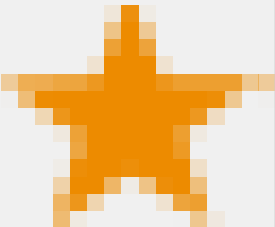
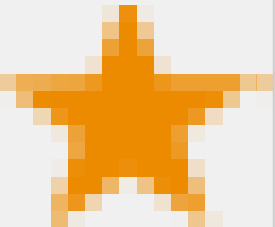
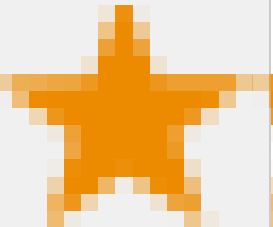

Born2Bond Ultra Cyanoacrylate Adhesives



AL Aluminium					
Coated AL Powder coated or anodized aluminum					
Glass Glass					

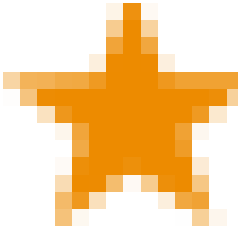
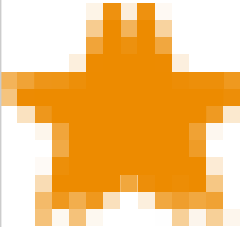
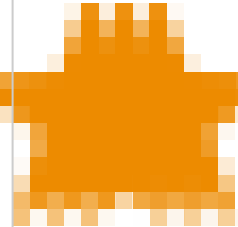
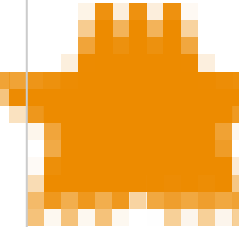

Born2Bond Ultra Cyanoacrylate Adhesives






Si Silicone (with Primer)					
SUS Stainless steel					
Mild Steel					

Born2Bond Ultra Cyanoacrylate Adhesives



GBMS Grit blasted mild steel					
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Key: = Moderate = Good = Excellent

Specifications

Typical properties	Ultra LV	Ultra MV	Ultra HV	Ultra Gel
Colour	Clear	Clear	Clear	Clear
Viscosity (cps)	20 - 50	120 - 170	700 - 1,000	105,000 - 120,000

Born2Bond Ultra Cyanoacrylate Adhesives



Typical properties	Ultra LV	Ultra MV	Ultra HV	Ultra Gel
Gap Fill (mm)	>0.15	>0.15	>0.15	>0.15
Fixture Time (sec)	5-10	10	15	5
Bond Strength (MPa)	20	21	20	13
Temperature Use Range (°C)	-40 to 80	-40 to 80	-40 to 80	-40 to 80
Refractive Index (ABBE)	1.49 - 1.50	1.49 - 1.50	1.47 - 1.48	1.50 - 1.51
Glass Transition Temperature (°C)	87	84	79	55
Coefficient of Linear Thermal Expansion	40×10^{-6}	31×10^{-6}	30×10^{-6}	
Volume Resistivity (Ohm.m)	$6.5 \cdot 10^{13}$	$6.0 \cdot 10^{13}$	$7.5 \cdot 10^{13}$	$7.5 \cdot 10^{13}$

Born2Bond Ultra Cyanoacrylate Adhesives



Typical properties	Ultra LV	Ultra MV	Ultra HV	Ultra Gel
Specific Gravity (g/mL)	1.09	1.09	1.12	1.13

Safety Data Sheets

For the latest SDS for this product, please e-mail msds@intertronics.co.uk

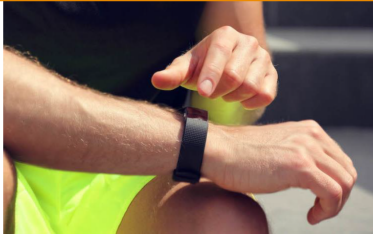
Other Information

Find out more about the technology behind the Born2Bond Ultra by reading our [technical bulletins and white papers](#):


- [Managing blooming in an adhesives process](#)
- [The 10 myths about cyanoacrylate adhesives](#)

BORN²
BOND

CASE STUDY



**Born2Bond
Ultra HV**
Single part, instant
cyanoacrylate
adhesive



intertronics
adhesives, coatings, sealants & equipment
for your manufacturing and technology applications







Unightly blooming eliminated from commercial wearable technology

A wearable electronic device manufacturer required an adhesive which was capable of bonding cured silicone to polycarbonate, whilst producing an aesthetically pleasing, bloom-free bondline for its consumer fitness tracker.

Ordering Information




Born2Bond Ultra Cyanoacrylate Adhesives



Part number	Description	Packaging
B2B30615111  	Born2Bond Ultra cyanoacrylate adhesive - Low viscosity	20g bottle
B2B30619202  	Born2Bond Ultra cyanoacrylate adhesive - Low viscosity	500g bottle
B2B30615113  	Born2Bond Ultra cyanoacrylate adhesive - Medium viscosity	20g bottle




Born2Bond Ultra Cyanoacrylate Adhesives



Part number	Description	Packaging
B2B30615126-1 	Born2Bond Ultra cyanoacrylate adhesive - Medium viscosity	500g bottle
B2B30615617 	Born2Bond Ultra cyanoacrylate adhesive - High viscosity	20g bottle
B2B30615647 	Born2Bond Ultra cyanoacrylate adhesive - High viscosity	500g bottle

Born2Bond Ultra Cyanoacrylate Adhesives



Part number	Description	Packaging
B2B30642433 	Born2Bond Ultra cyanoacrylate adhesive - Gel viscosity	30g syringe
B2B30615440 	Born2Bond Booster - Pump spray bottle	150ml spray
B2B30615645 	Born2Bond Primer - Bottle	30ml bottle

Let’s start by talking about your application

 <u>01865</u> <u>842842</u>	 <u>orders@intertronics.co.uk</u>
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- Name*
- Company*
- Phone*
- Email*
- Post code*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

Born2Bond Ultra Cyanoacrylate Adhesives



■

 ■ Tell us about your application

Any information that you submit using this form will be processed according to our [privacy policy](#).

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