

# Born2Bond Repair Cyanoacrylate Adhesives



## Description

Also available to buy online at [!\[\]\(666e09182d4cd268646ea700ea60dcdf\_img.jpg\) SHOP !\[\]\(1ef1ef0bf9af6c6996401964cf280f2d\_img.jpg\)](https://www.mouser.com/Products/Born2Bond)

**Born2Bond™ Repair** is a patented, gap-filling, “instant” adhesive and repair product with excellent adhesion to a very broad range of materials and surfaces. Combining the strength of an epoxy adhesive with the speed of an instant cyanoacrylate adhesive, it is an ideal option for rapid bonding and repairing applications.

This product is an ideal repair adhesive/filler, due to a curing time of under ten minutes resulting in a tough polymer, with a user-friendly working time and the ability to fill even large gaps with minimal volumetric shrinkage.

The gel consistency of **Born2Bond Repair** enables application in any orientation while the static mixing nozzle ensures uniform and precise application.

**Born2Bond Repair** is faster and tougher with half the level of shrinkage compared to competitive cyanoacrylate adhesive products.

# Born2Bond Repair Cyanoacrylate Adhesives



**Born2Bond Repair** is supplied in a syringe cartridge, available in 10g and 50g sizes. Both cartridges come with static mixing nozzles. The 10g size is suitable for manual application and comes with a plunger. The 50g size is used with a [dispensing gun](#) for manual application, or can be integrated into automation.

## Features & Benefits

- Fixture in 60 seconds
- Cures in 5-10 minutes
- Instant adhesion with a high bond strength
- Low volume shrinkage
- Fills gaps of any volume
- Bonds a large range of materials
- May be machined, drilled, sanded and painted
- Impact resistant
- Gel consistency for precise application
- Non-sagging for vertical applications

## Applications

- Aftermarket automotive repairs
- Wood repair and reconstruction
- Rubber door bonding

# Born2Bond Repair Cyanoacrylate Adhesives



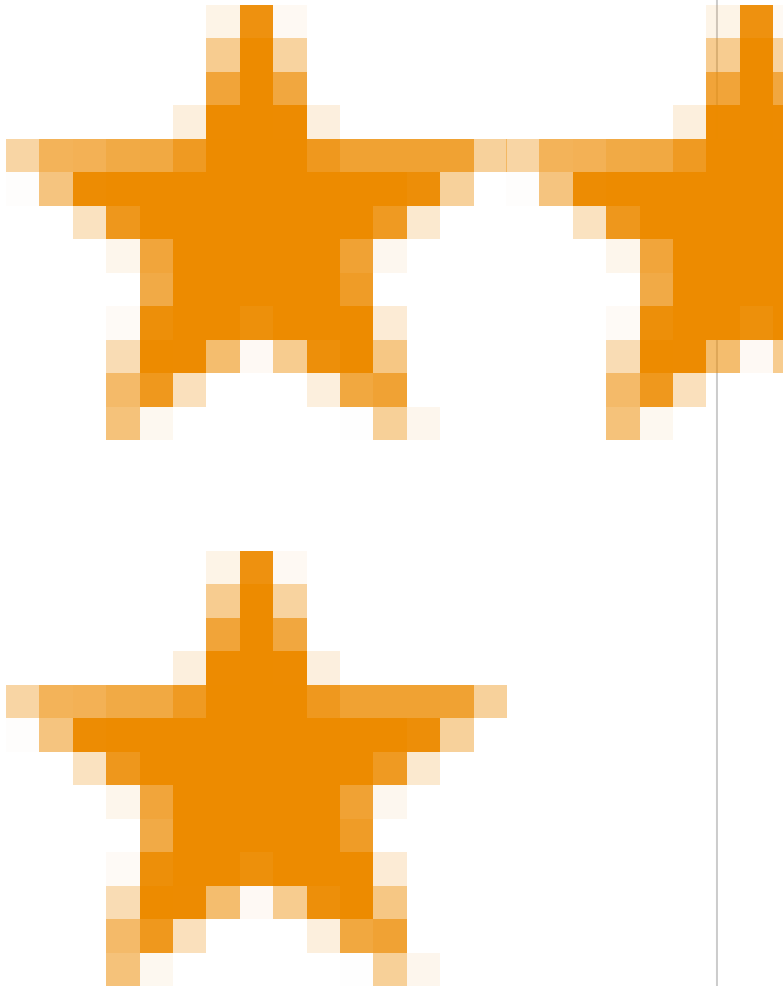
- Automotive joint bonding

Substrate	Born2Bond Repair
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# Born2Bond Repair Cyanoacrylate Adhesives



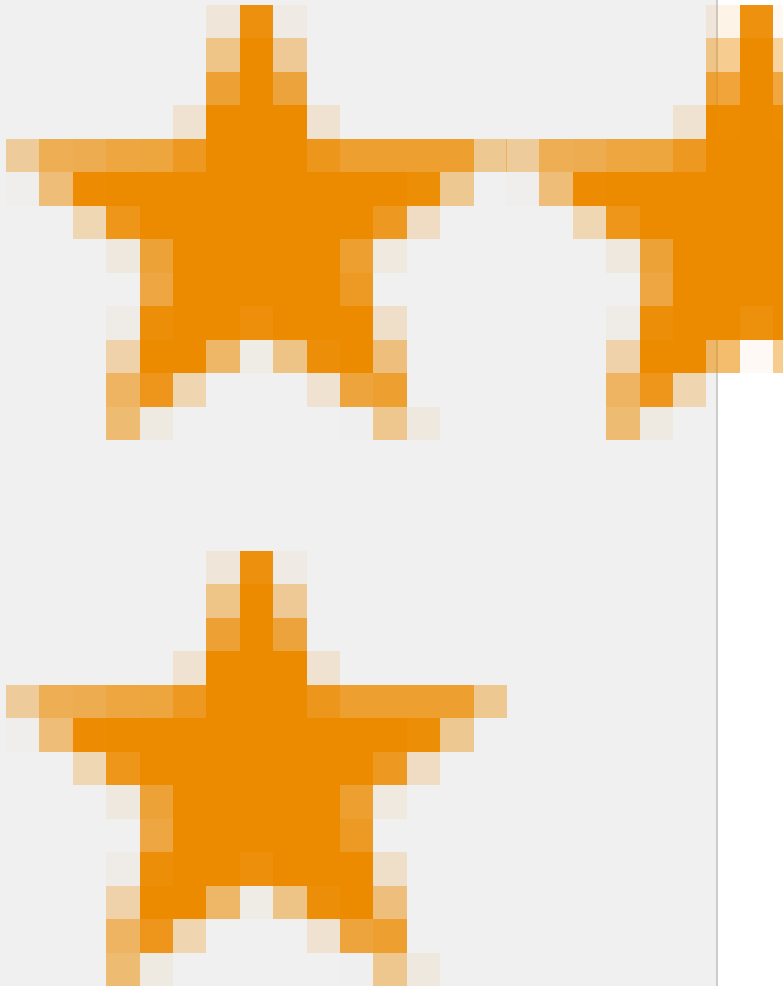
**ABS**  
Acrylonitrile-butadienestyrene



**Born2Bond Repair Cyanoacrylate  
Adhesives**



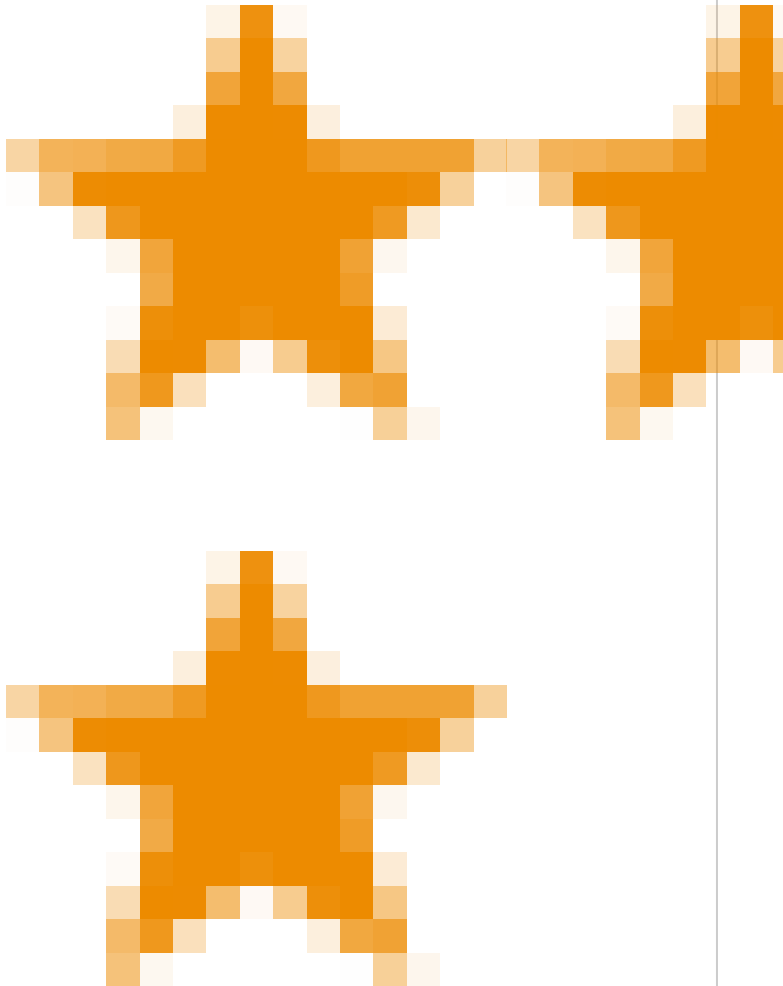
**PC**  
Polycarbonate



**Born2Bond Repair Cyanoacrylate  
Adhesives**



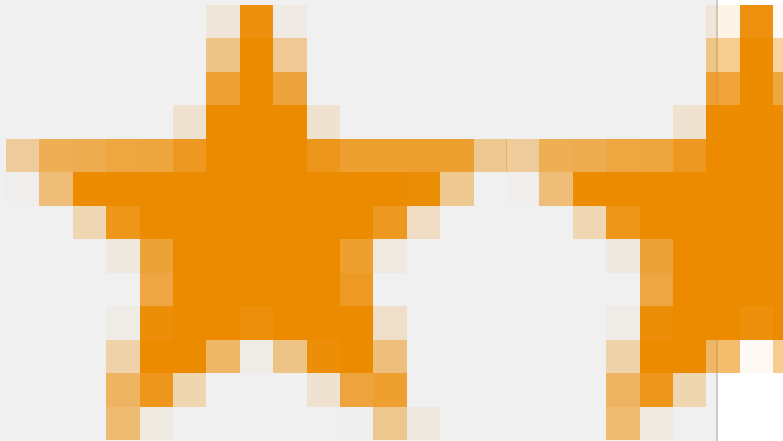
**PC/ABS**  
Blend of PC and ABS



# Born2Bond Repair Cyanoacrylate Adhesives



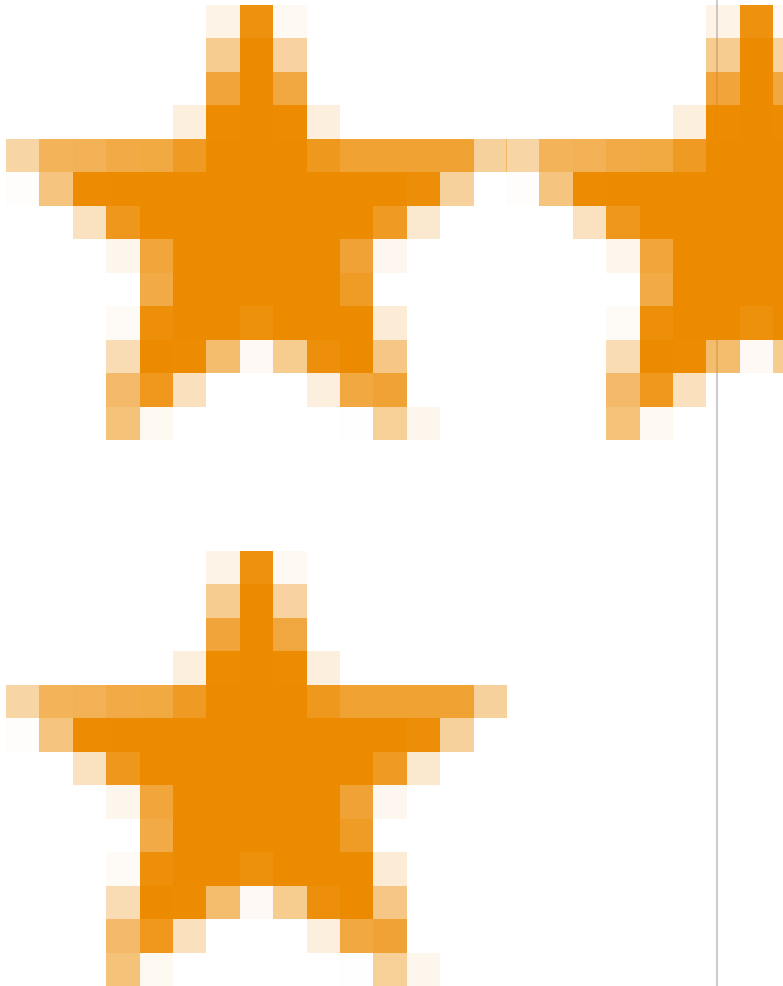
**PE**  
Polyethylene  
(with Primer)



# Born2Bond Repair Cyanoacrylate Adhesives



**PMMA**  
Poly(methyl methacrylate)

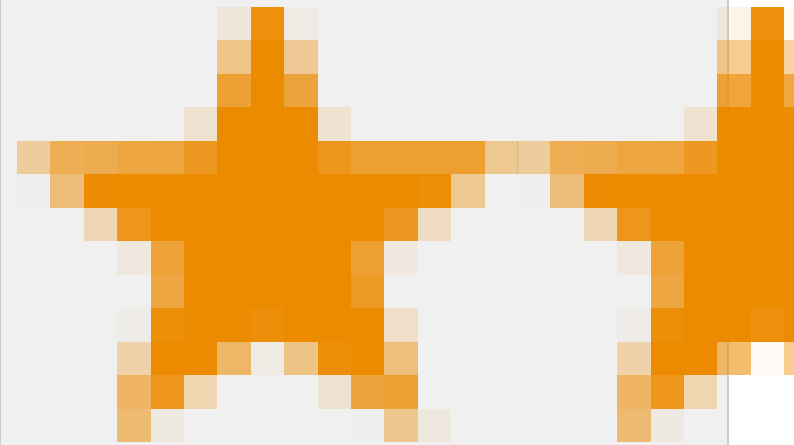




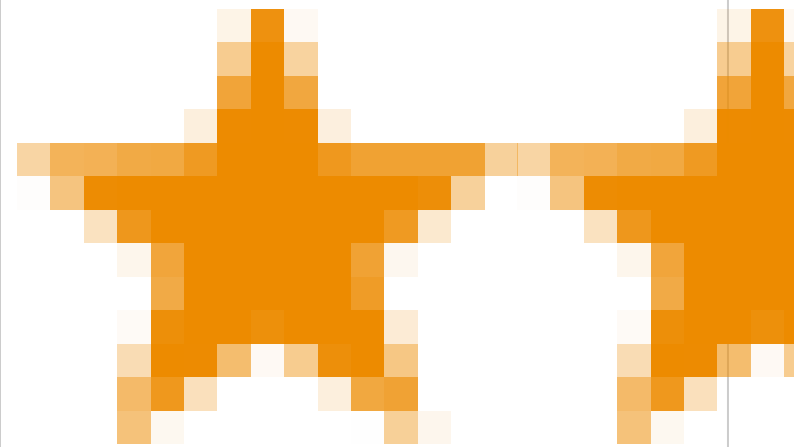
# Born2Bond Repair Cyanoacrylate Adhesives



**PP**  
Polypropylene  
(with Primer)



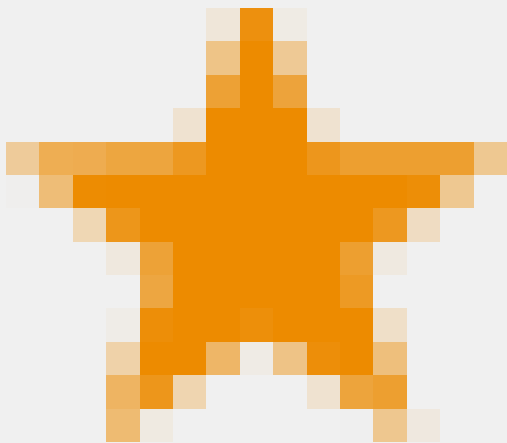
**PPO**  
Poly(phenylene oxide)  
(with Primer)



**Born2Bond Repair Cyanoacrylate  
Adhesives**



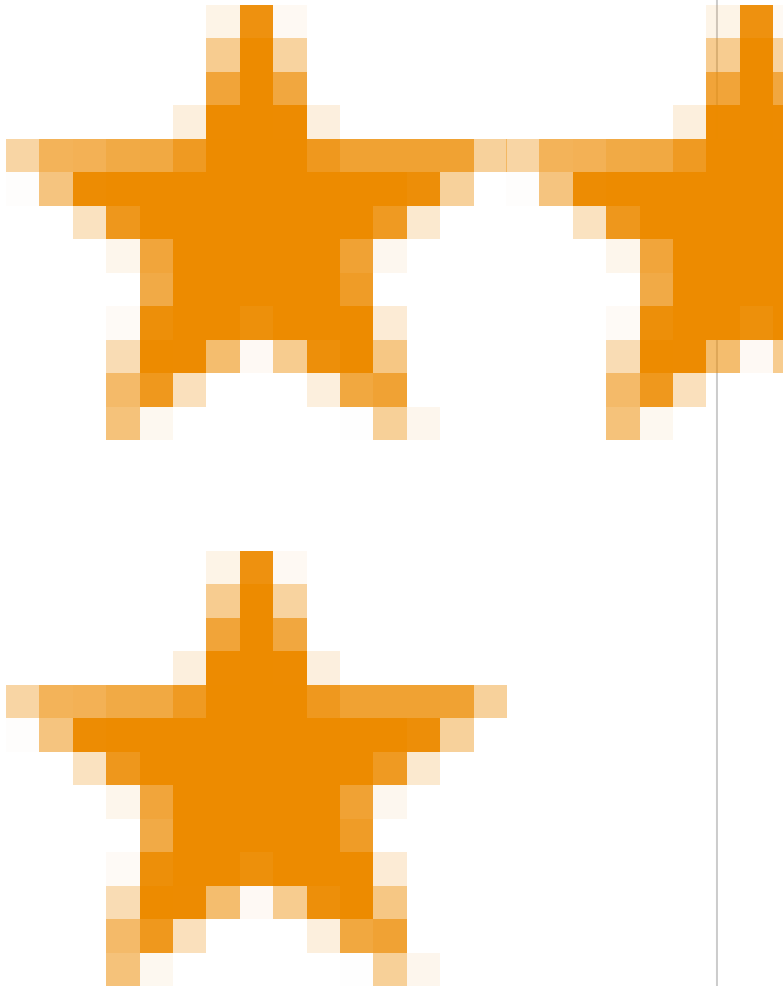
**PS**  
Polystyrene



# Born2Bond Repair Cyanoacrylate Adhesives



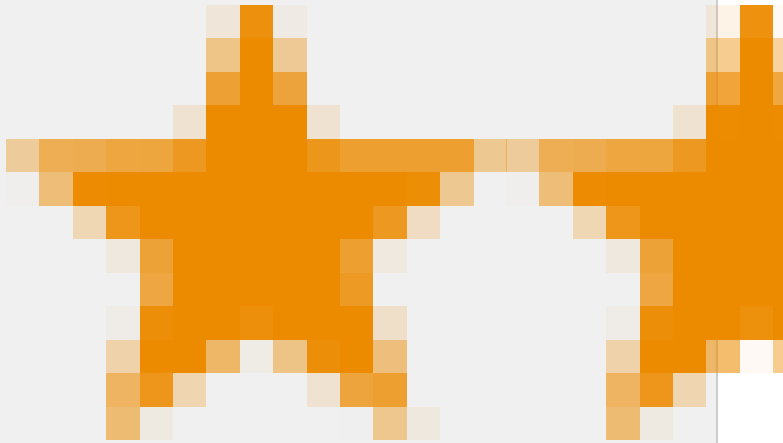
**PS**  
Polystyrene  
(with Primer)



# Born2Bond Repair Cyanoacrylate Adhesives



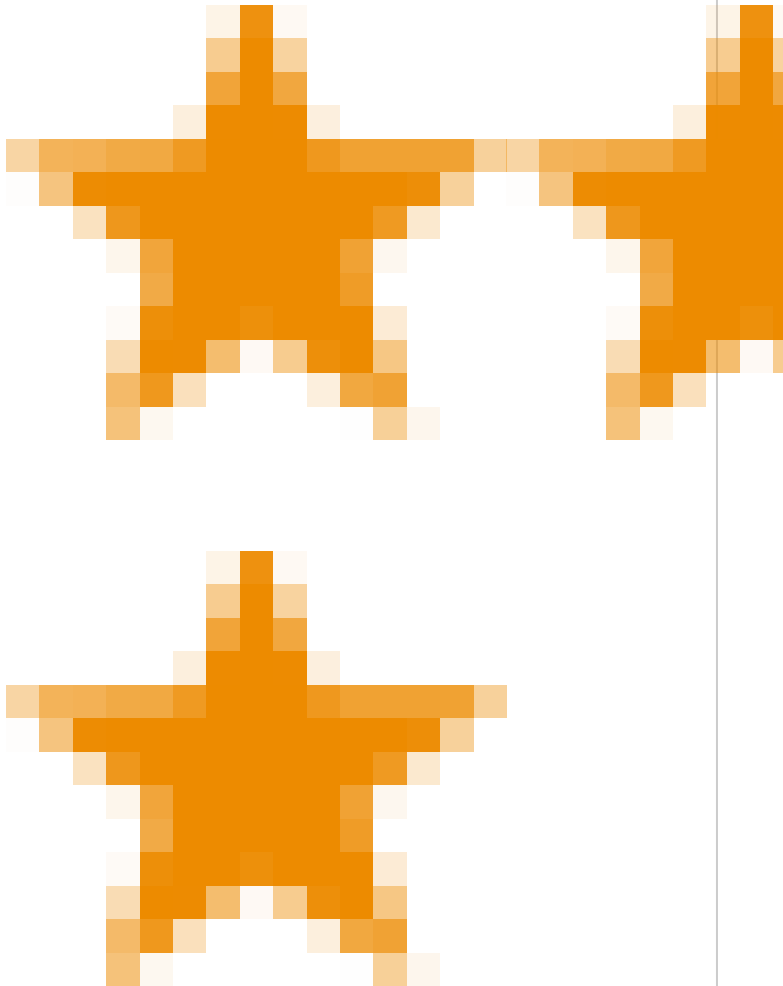
**PU**  
Polyurethane  
(with Primer)



# Born2Bond Repair Cyanoacrylate Adhesives



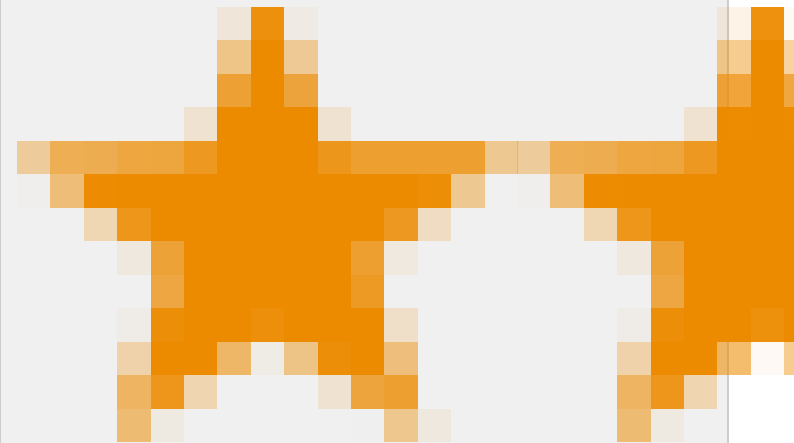
**PVC**  
Polyvinyl chloride



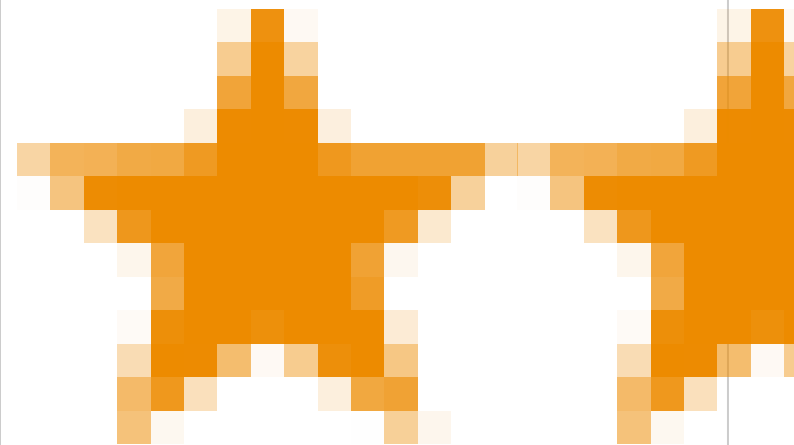
# Born2Bond Repair Cyanoacrylate Adhesives



**TPU**  
Thermoplastic polyurethane  
(with Primer)



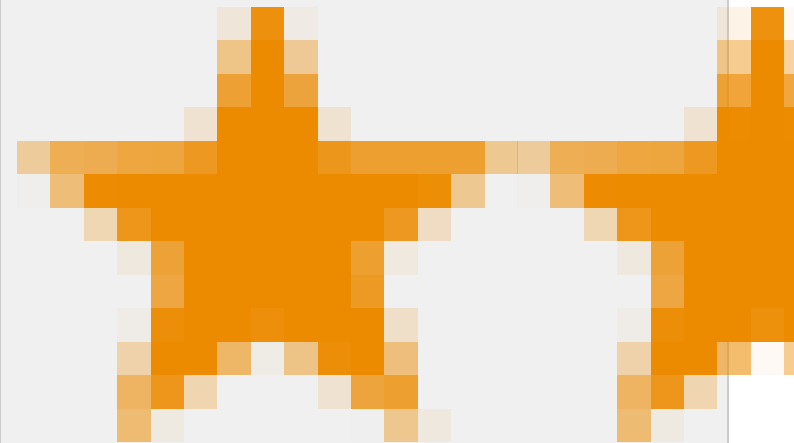
**AL**  
Aluminium



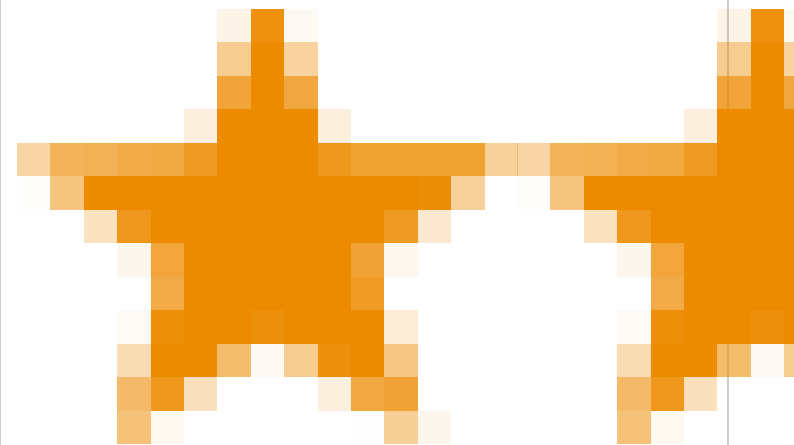
# Born2Bond Repair Cyanoacrylate Adhesives



**Coated AL**  
Powder coated or  
anodized aluminum



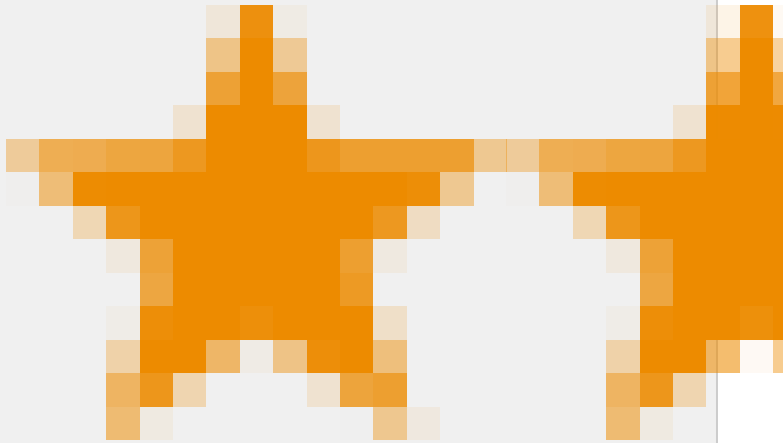
**Glass**  
Glass



# Born2Bond Repair Cyanoacrylate Adhesives



**Si**  
Silicone  
(with Primer)

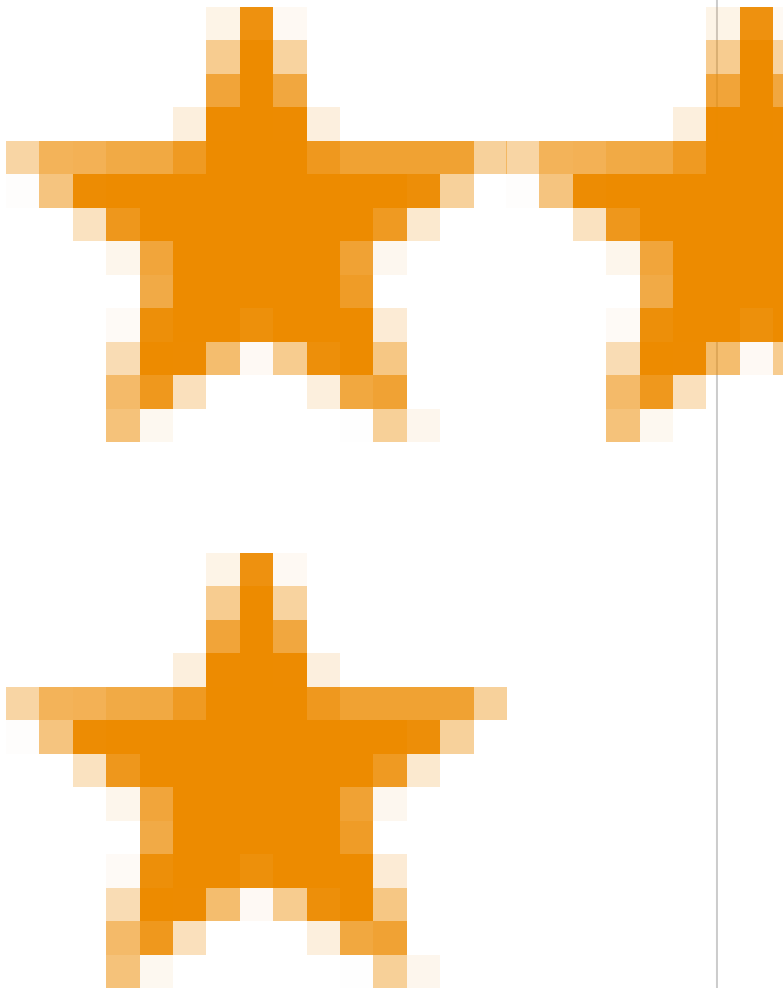




Born2Bond Repair Cyanoacrylate  
Adhesives



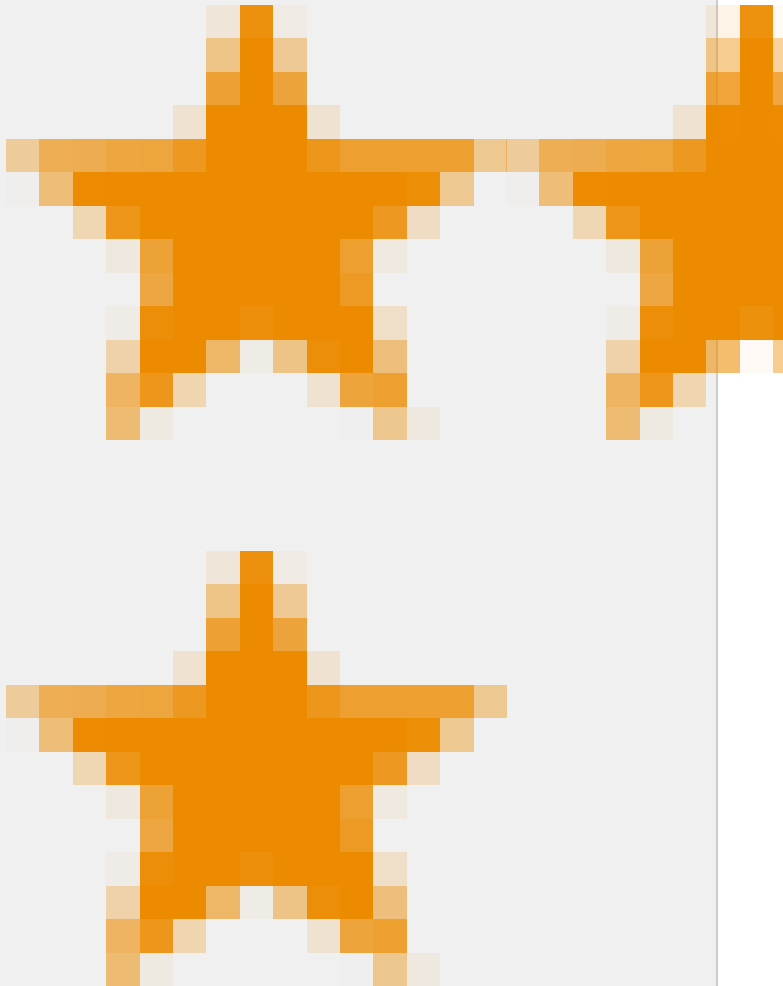
SUS  
Stainless steel



**Born2Bond Repair Cyanoacrylate  
Adhesives**



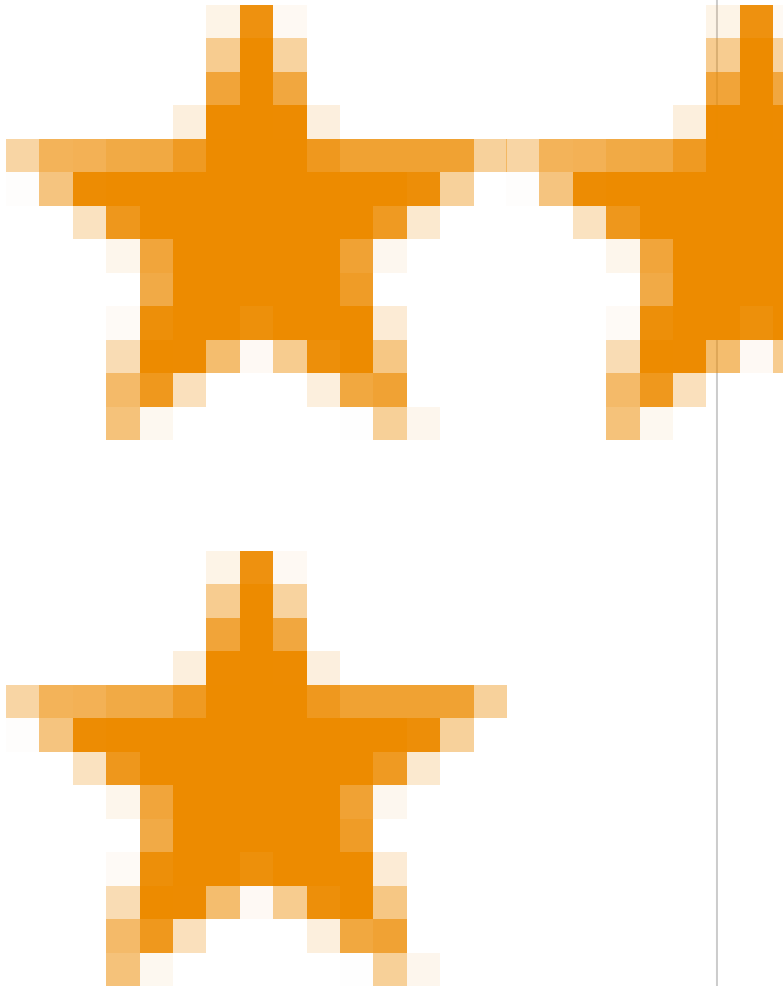
**Mild Steel**



# Born2Bond Repair Cyanoacrylate Adhesives



**GBMS**  
Grit blasted mild steel



Key:

# Born2Bond Repair Cyanoacrylate Adhesives



★ = Moderate      ★★ = Good      ★★★ = Excellent

## Specifications

Typical properties	Born2Bond Repair
Colour	Whitish
Viscosity (cps)	Part A: 130,000 - 180,000 Part B: 70,000 - 130,000
Gap Fill	Centimeters
Fixture Time (sec)	15-60
Bond Strength (MPa)	14
Temperature Use Range (°C)	-40 to 80
Hardness Shore D	67

# Born2Bond Repair Cyanoacrylate Adhesives



Typical properties	Born2Bond Repair
Refractive Index (ABBE)	Opaque
Glass Transition Temperature (°C)	86
Coefficient of Linear Thermal Expansion	$58 \times 10^{-6}$
Volume Resistivity (Ohm.m)	$3.2 \cdot 10^{13}$
Specific Gravity (g/mL)	1.09

## Safety Data Sheets

For the latest SDS for this product, please e-mail [msds@intertronics.co.uk](mailto:msds@intertronics.co.uk)

## Other Information


# Born2Bond Repair Cyanoacrylate Adhesives



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



- [The 10 myths about cyanoacrylate adhesives](#)

## Ordering Information

Part number	Description	Packaging
B2B30622922 	Born2Bond Repair cyanoacrylate adhesive	10g side-by-side cartridge & 5 static mixing nozzles

# Born2Bond Repair Cyanoacrylate Adhesives



Part number	Description	Packaging
B2B30622923 	Born2Bond Repair cyanoacrylate adhesive	50g side-by-side cartridge & 8 static mixing nozzles
B2B30615645 	Born2Bond Primer - Bottle	30ml bottle
IDM805004	Manual Dispensing Gun	

Let’s start by talking about your application

# Born2Bond Repair Cyanoacrylate Adhesives



01865

842842



[orders@intertronics.co.uk](mailto:orders@intertronics.co.uk)

- 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.

- 
- Tell us about your application



# Born2Bond Repair Cyanoacrylate Adhesives



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Supplied by:



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