

Born2Bond Flex Cyanoacrylate Adhesive



Description

Also available to buy online at [mouser.com](https://www.mouser.com/brands/born2bond)  **SHOP** 

Born2Bond™ Flex is a flexible, elastic and low-odour, “instant” cyanoacrylate adhesive with exceptional adhesion to a very broad range of materials and surfaces. Once cured, **Born2Bond Flex** becomes a flexible and elastic polymer with >200% elongation, which absorbs impact and vibration, and copes with bonding substrates with differing thermal expansion coefficients over thermal excursions.

This cyanoacrylate adhesive is a two-part product, supplied in a convenient cartridge. The gel viscosity and working time of up to six minutes once mixed facilitates application and allows it to fill gaps of up to 10mm. It achieves rapid adhesion to most plastics, wood and metals, including porous and irregular surfaces.

Born2Bond Flex 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.

Born2Bond Flex Cyanoacrylate Adhesive



Features & Benefits

- Sets in 60 seconds, fully cures in 5-10 minutes
- Elongation > 200 %
- Absorbs impacts and vibrations
- High peel strength
- Bonds a large range of materials including glass
- Translucent
- Low blooming, low odour
- Gel consistency for precise application
- Non-sagging for vertical applications

Applications

- Flexible bonding
- Sealing and repair
- Seam and joint sealing
- Flooring and panel bonding
- Vibration dampening
- Strengthening and ruggedising parts
- Glass to rubber bonding for bus and train windows
- Luxury clothing, leather repair

**Born2Bond Flex Cyanoacrylate
Adhesive**

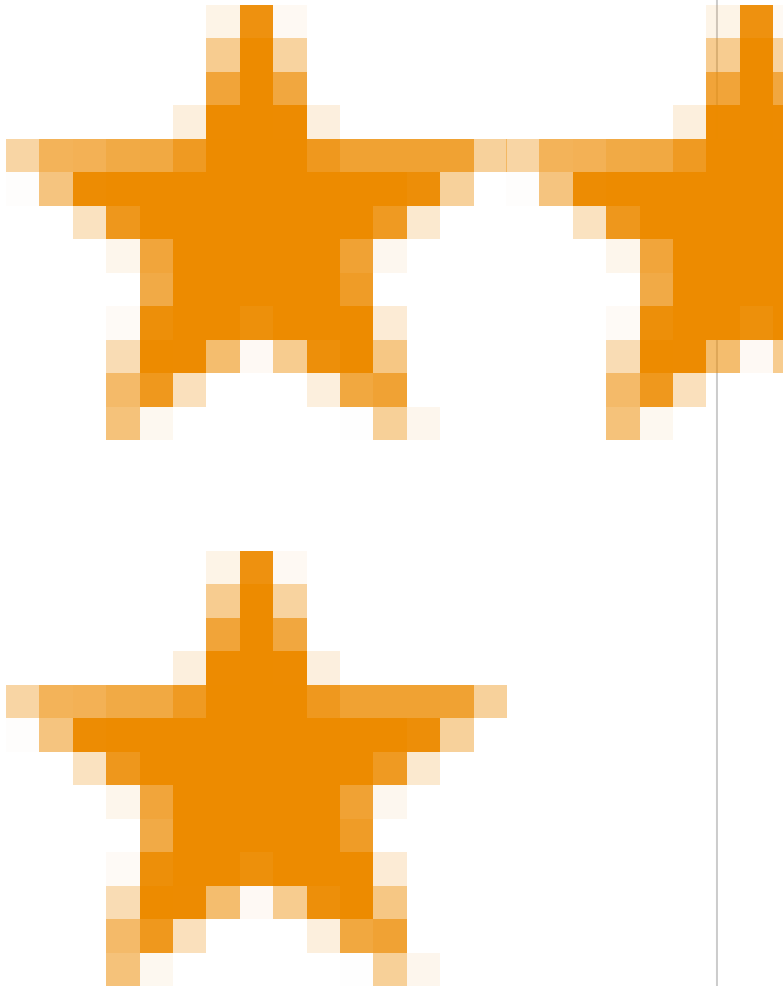


Substrate	Born2Bond Flex
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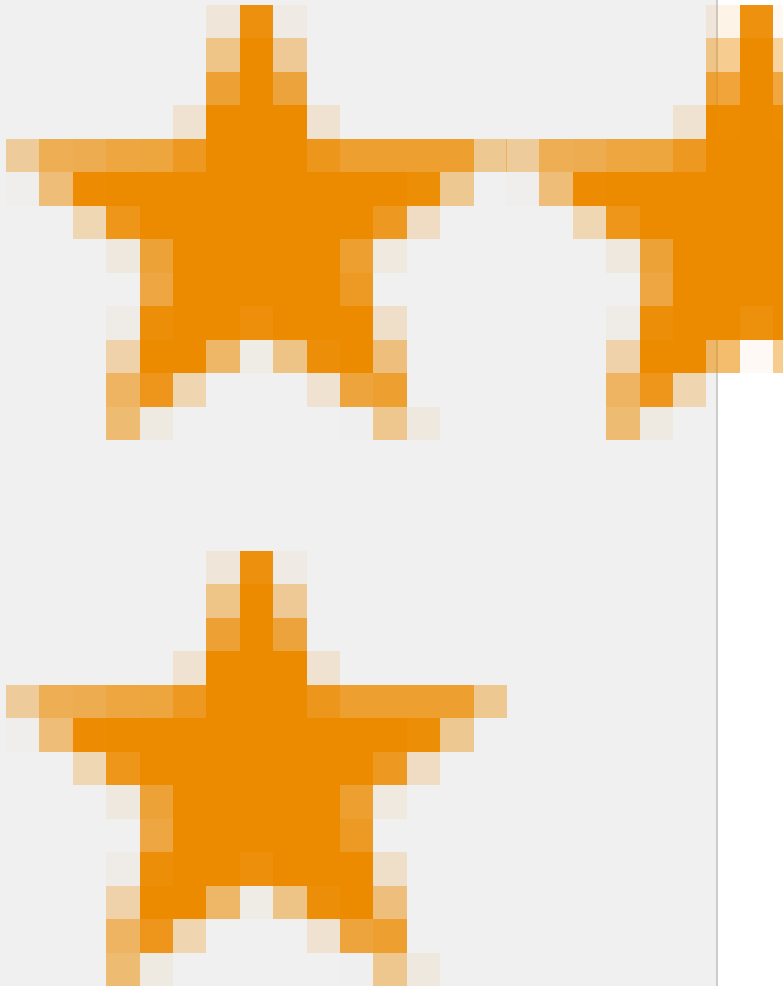
ABS
Acrylonitrile-butadienestyrene



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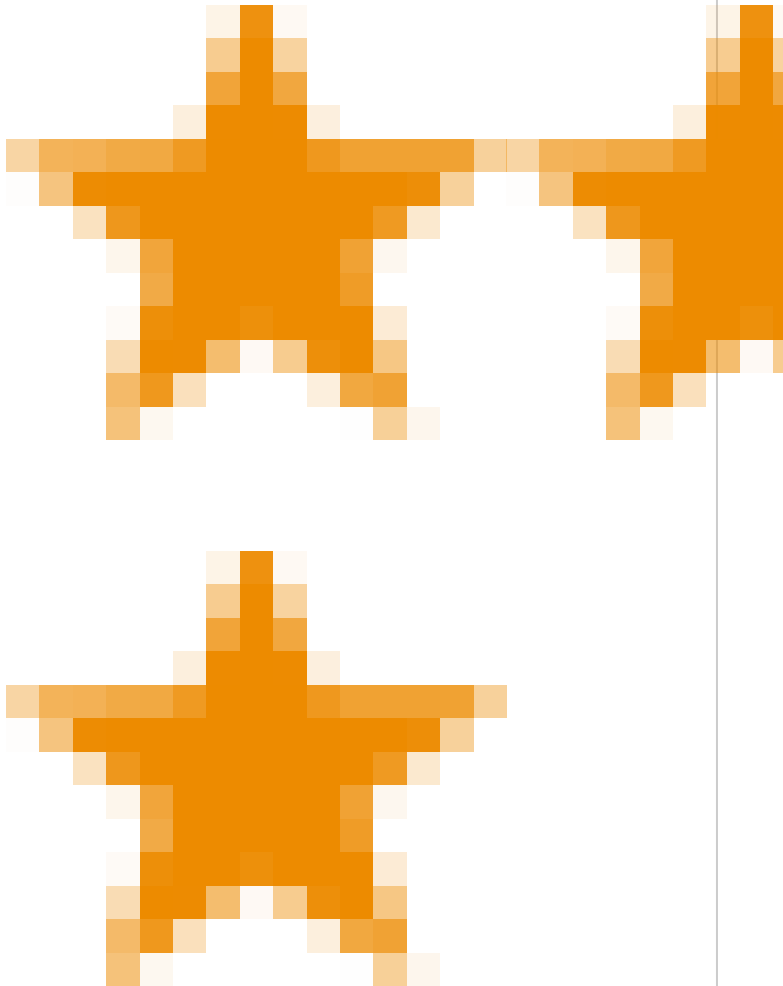
PC
Polycarbonate



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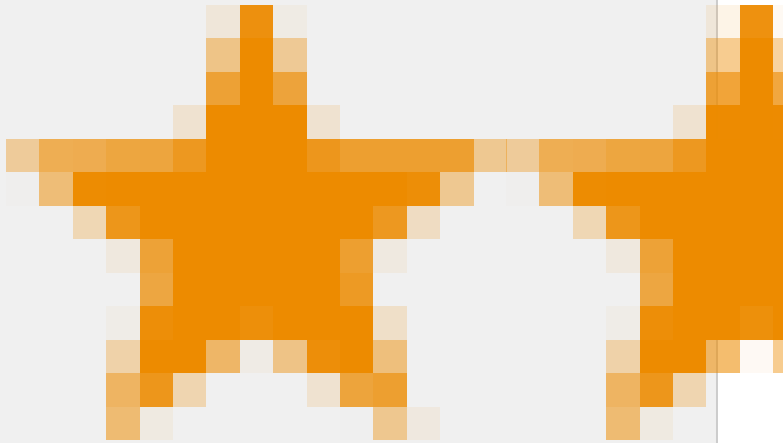
PC/ABS
Blend of PC and ABS



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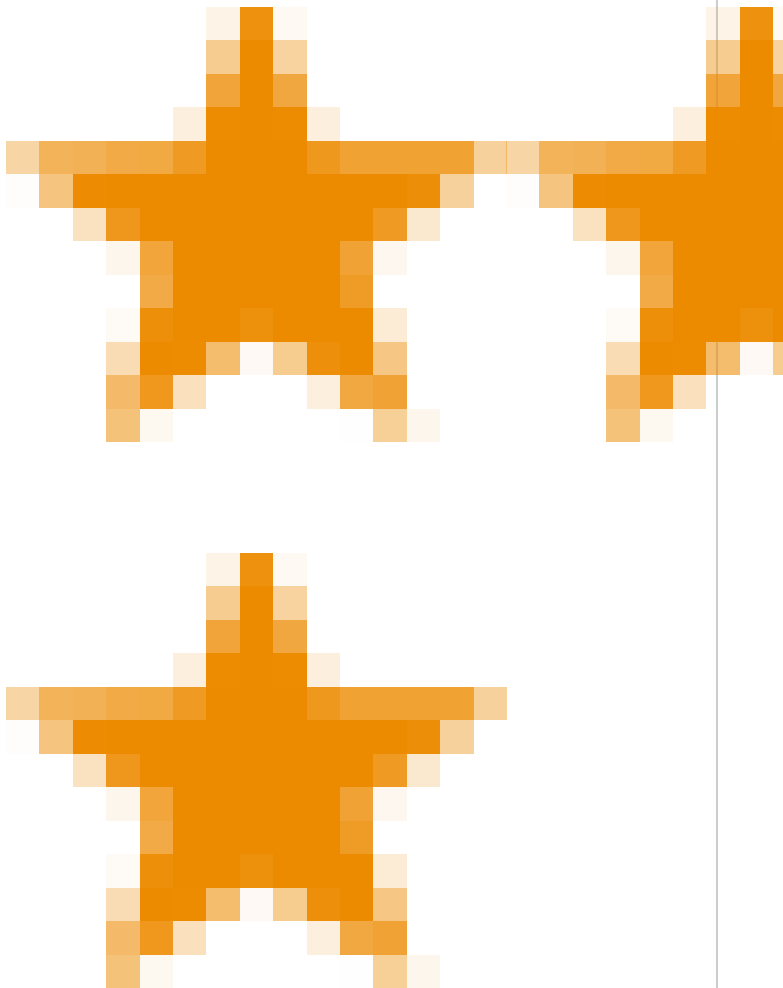
PE
Polyethylene
(with Primer)



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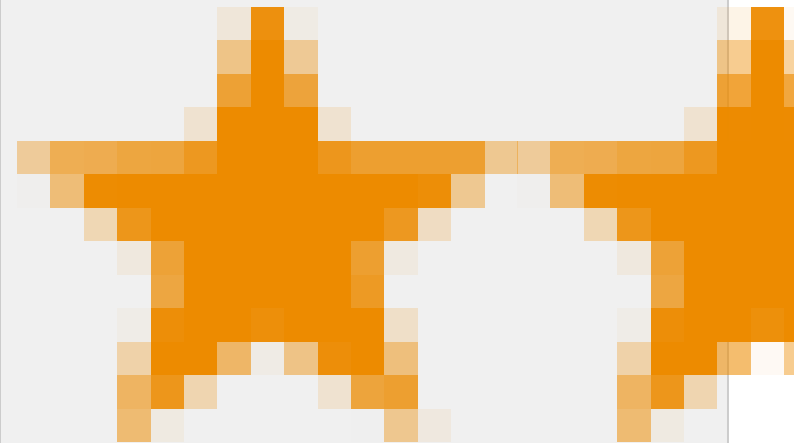
PMMA
Poly(methyl methacrylate)



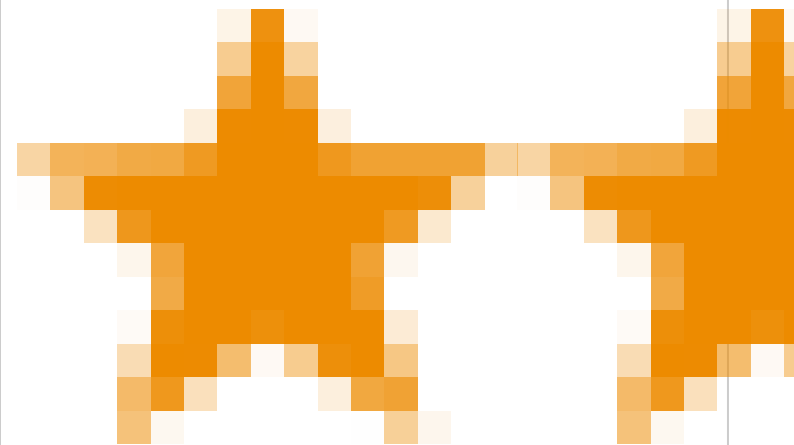
Born2Bond Flex Cyanoacrylate Adhesive



PP
Polypropylene
(with Primer)



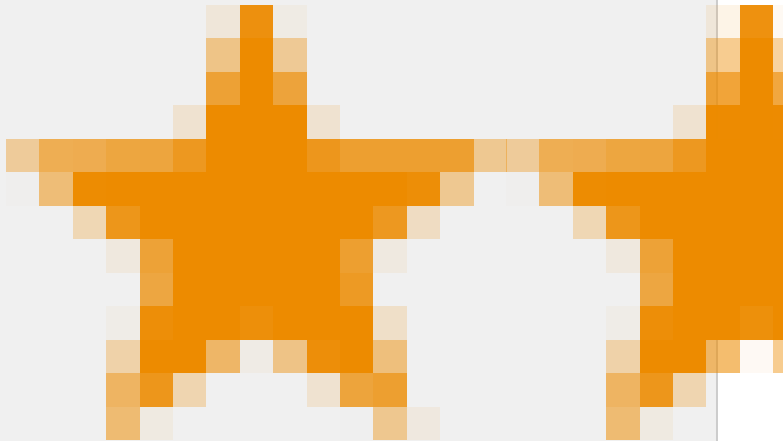
PPO
Poly(phenylene oxide)
(with Primer)



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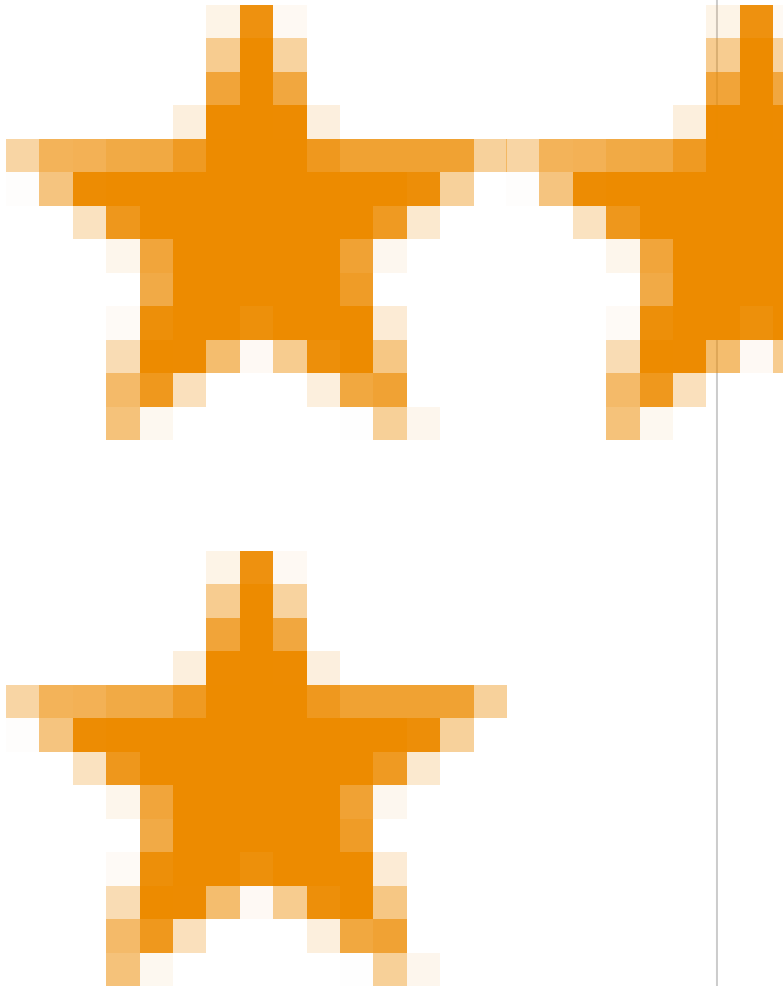
PS
Polystyrene



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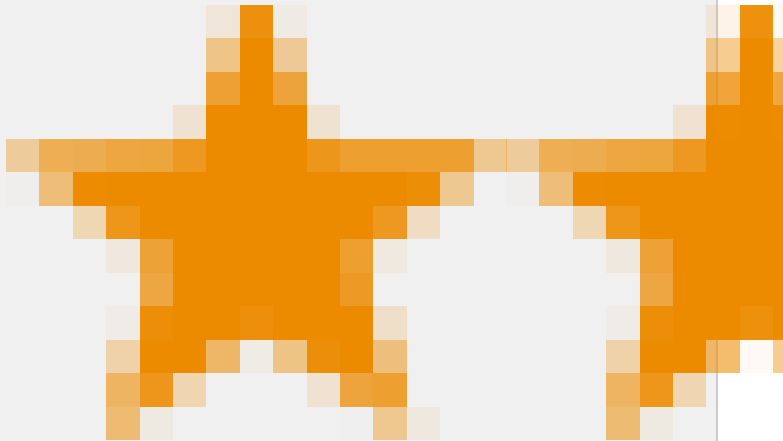
PS
Polystyrene
(with Primer)



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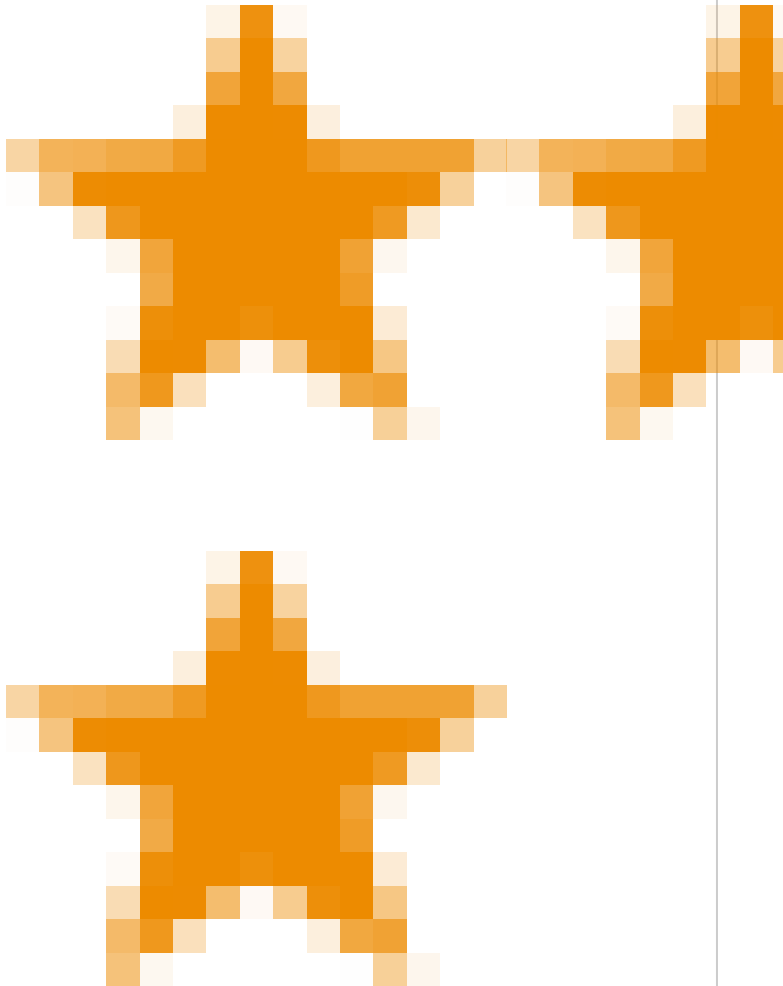
PU
Polyurethane
(with Primer)



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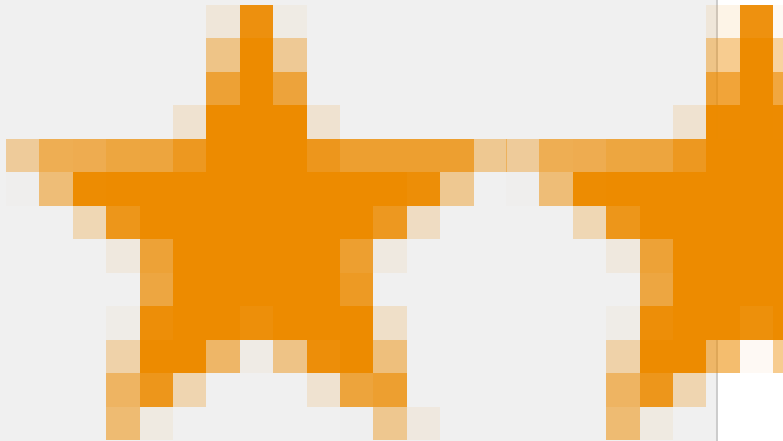
PVC
Polyvinyl chloride



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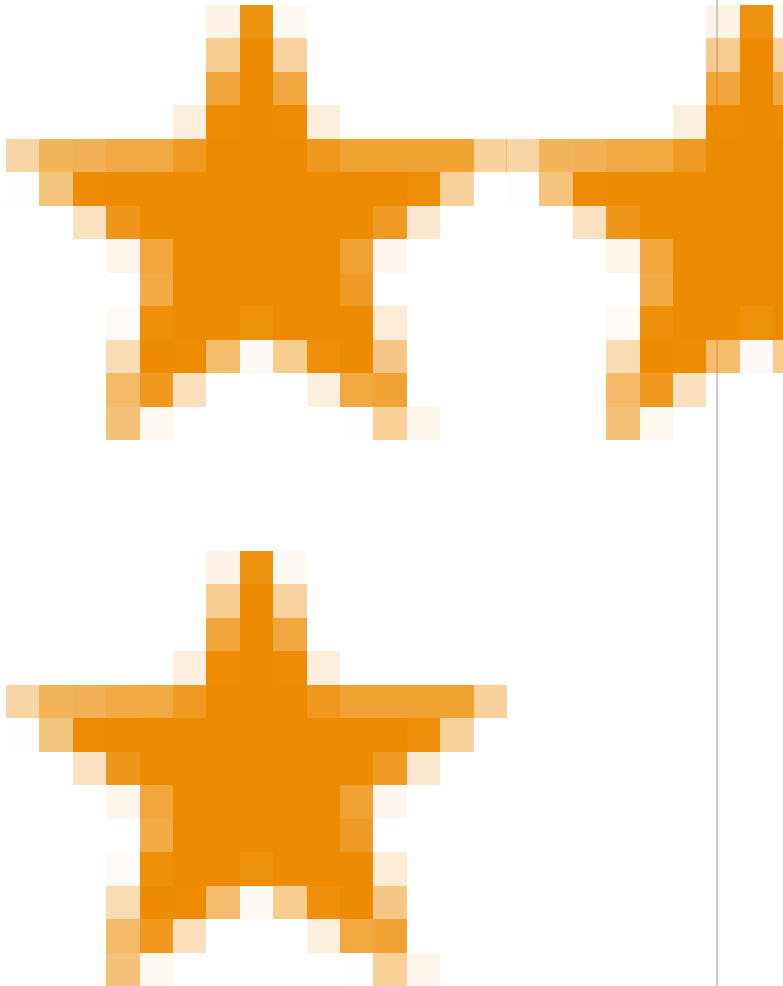
TPU
Thermoplastic polyurethane
(with Primer)



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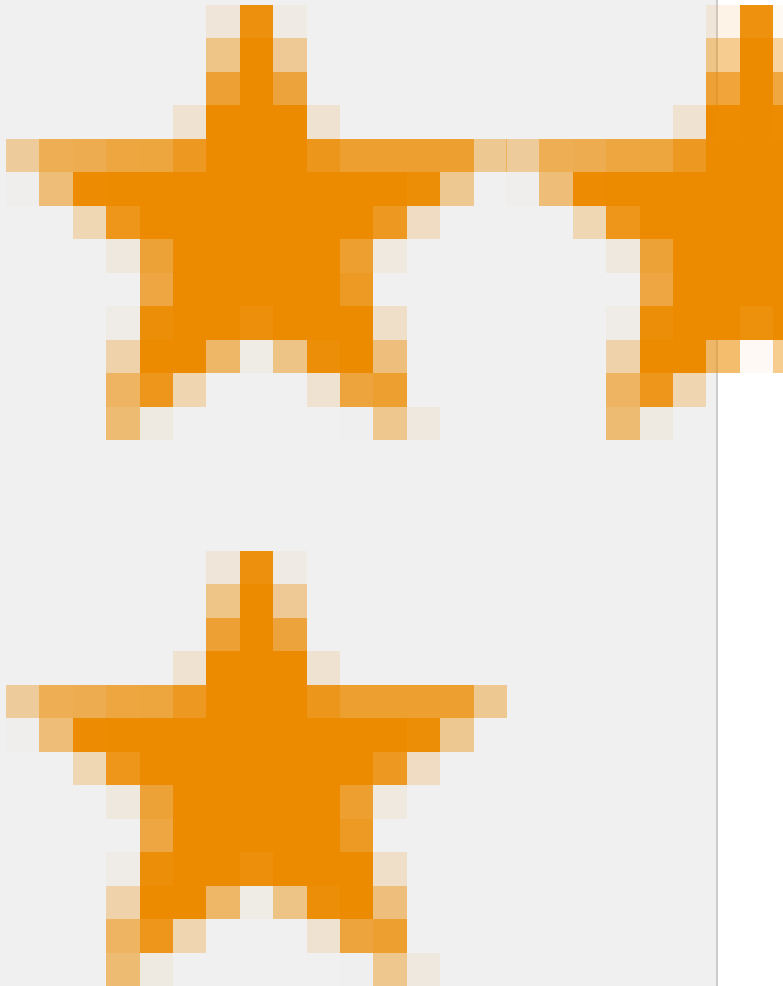
AL
Aluminium



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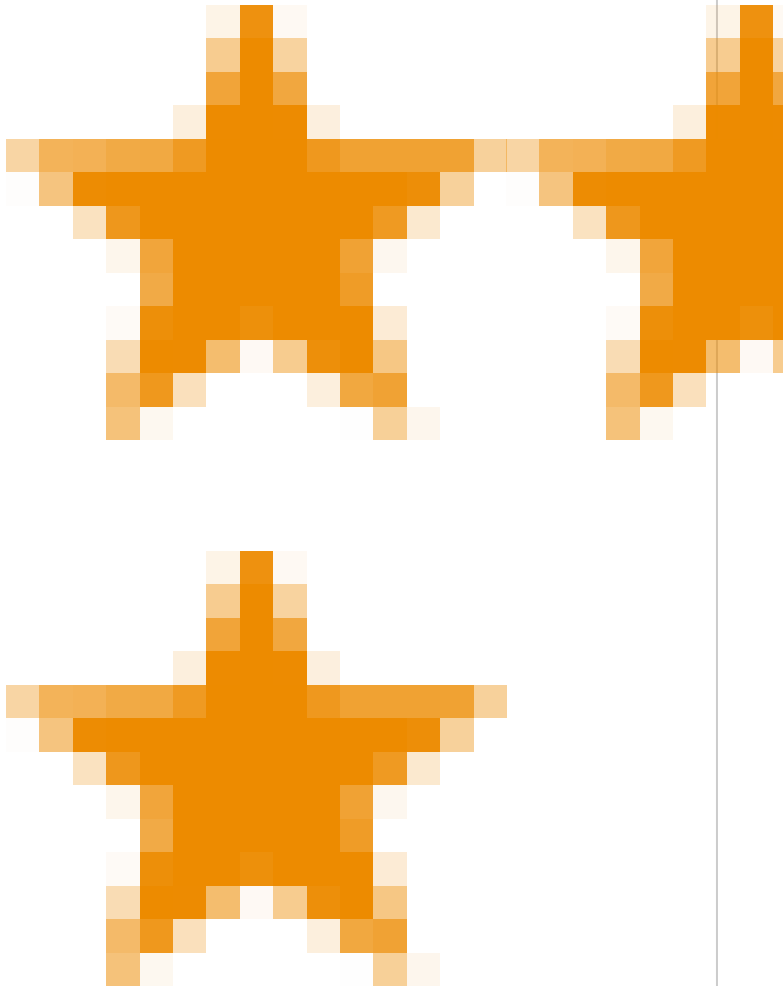
Coated AL
Powder coated or
anodized aluminum



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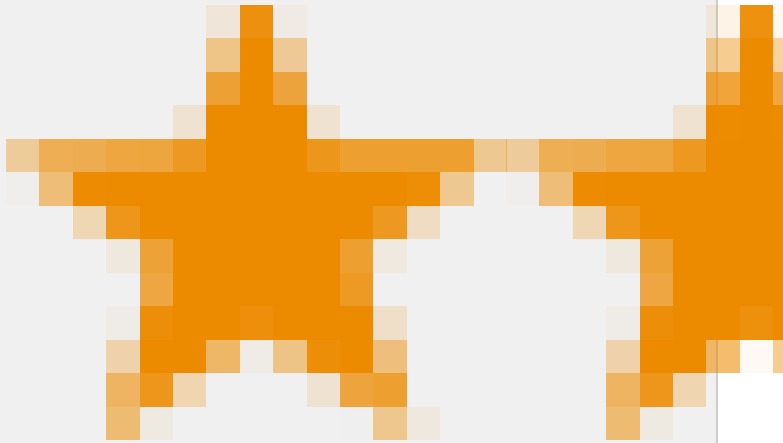
Glass
Glass



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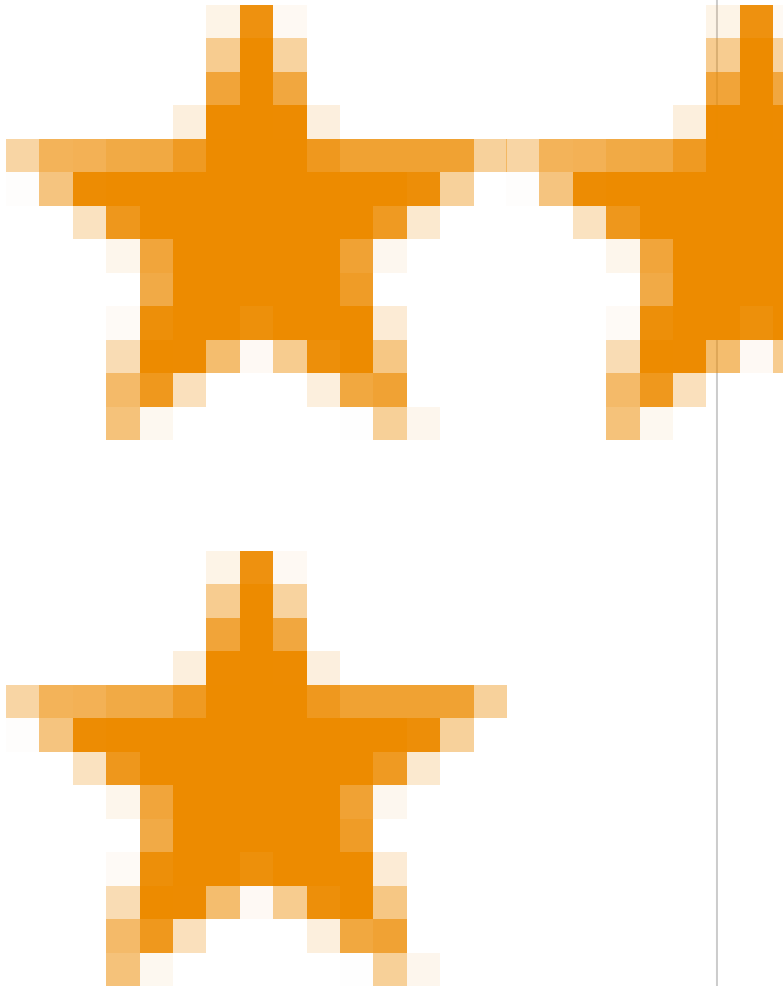
Si
Silicone
(with Primer)



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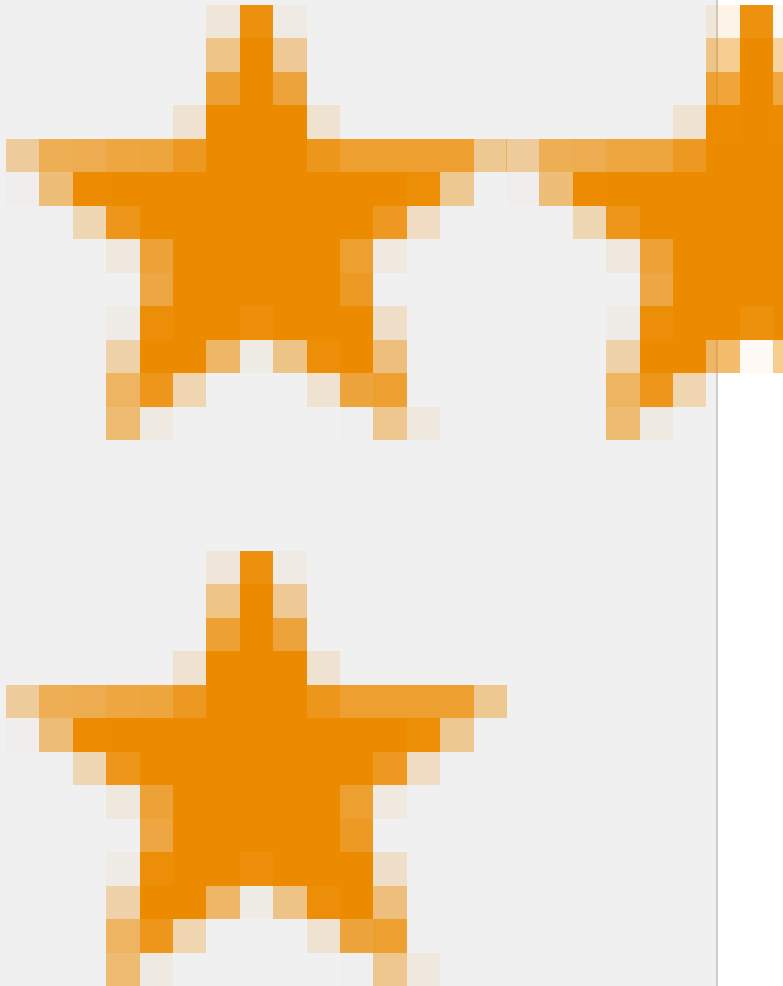
SUS
Stainless steel



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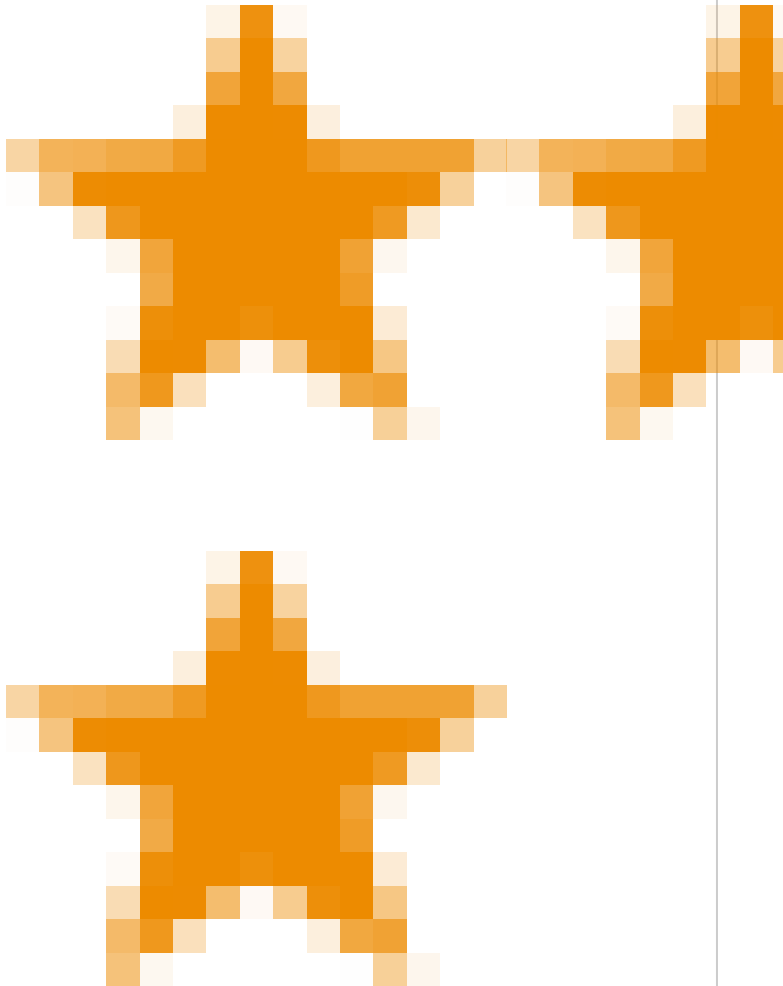
Mild Steel



Born2Bond Flex Cyanoacrylate Adhesive



GBMS
Grit blasted mild steel



Key:

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

Specifications

Typical properties	Born2Bond Flex
Colour	Transparent
Viscosity (cps)	Part A: 120,000 - 170,000 Part B: 70,000 - 130,000
Gap Fill (cm)	1
Fixture Time (sec)	60
Bond Strength (MPa)	2
Temperature Use Range (°C)	-40 to 60
Hardness Shore A	76

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Typical properties	Born2Bond Flex
Refractive Index (ABBE)	1.48 - 1.50
Glass Transition Temperature (°C)	35
Volume Resistivity (Ohm.m)	$3.2 \cdot 10^{10}$
Specific Gravity (g/mL)	Part A: 1.12 Part B: 1.10

Safety Data Sheets

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

Other Information

Born2Bond Flex Cyanoacrylate Adhesive



[The 10 Myths About Cyanoacrylate Adhesives](#)







This guide provides an overview to cyanoacrylate adhesives and dispels 10 of their most widely believed myths.

Ordering Information

Part number	Description	Packaging
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Born2Bond Flex Cyanoacrylate Adhesive




<div>B2B30622963</div> <div><div>SHOP </div></div>	Born2Bond Flex cyanoacrylate adhesive	10g side-by-side cartridge & 5 static mixing nozzles
<div>B2B30622962</div> <div><div>SHOP </div></div>	Born2Bond Flex cyanoacrylate adhesive	50g side-by-side cartridge & 8 static mixing nozzles
<div>B2B30615645</div> <div><div>SHOP </div></div>	Born2Bond Primer	30ml bottle
IDM805004	Manual Dispensing Gun	

Born2Bond Flex Cyanoacrylate
Adhesive



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.

**BORN²
BOND**

Comments

Submit

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t 01865 842842 e info@intertronics.co.uk

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