

# Unique dual cure UV cyanoacrylate adhesive with low odour and low blooming

Cyanoacrylate adhesives (CAs) cure best interfacially, i.e. between two surfaces, and in thin bondlines. In adhesive joint formats where there are exposed CA surfaces, fillets, or normal squeeze-out, those parts can take a long time to cure. This may inhibit the flow of a product to the next process in production, or attract contamination when still uncured and liquid – or possibly stuck fingers! Higher viscosity CAs can be used for bridge bonding applications (for example, over pcb modification wires). Optimal cure in these scenarios usually requires the use of a chemical activator, applied by spray. You may want to avoid the use of another solvated, wet chemical on your production line.

Our new dual-cure CA, [Born2Bond Light Lock](#), is cured through traditional cyanoacrylate mechanisms, by contact with surface moisture, but also through exposure to low power UV/visible light. By combining these principles, manufacturers can effectively light cure exposed fillets tack free, whilst its “instant” CA bonding properties enable fast interfacial cures.

[Born2Bond Light Lock](#) overcomes many of the drawbacks often associated with typical cyanoacrylate adhesives such as odour and bloom. Offering improved cured properties compared to existing CA's, components and products manufactured using this next generation of adhesive benefit from cosmetically appealing bond lines. Tested to both ISO 10993-5 and ISO 10993-10, **Born2Bond Light Lock** is biocompatible and suitable for consideration in the assembly of medical devices.

Available in high viscosity and gel formulations, **Born2Bond Light Lock** has no hazard warning labels on the bottle, is non-irritating and non-lachrymatory, reducing potential operator risks during dispensing compared to some other CA's on the market.

See [Born2Bond Light Lock](#) in action in our short video below:

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If you had previously ruled out cyanoacrylate adhesives due to their traditional shortcomings, [get in touch](#) with one of our product specialists to see if one of our [Born2Bond cyanoacrylate adhesives](#) may be the answer.

Supplied by:

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