

## UV LIGHT CURING CYANOACRYLATE - 130UV



### Permabond 130UV is a dual-curing cyanoacrylate/UV adhesive.

Offering the very best of both of these adhesive technologies, 130UV is a low-viscosity, solvent-free adhesive that forms strong bonds to many surfaces. It cures tack-free and is transparent, providing an aesthetically pleasing finish.

The combination of a moisture and UV cure in this adhesive allows the positive aspects of both technologies to shine through. Bonding shadowed areas are not a concern with 130UV due to the presence of a moisture-activated cure. Its UV-curing component ensures an optically transparent, clean cure with very low blooming. It bonds well to a variety of substrates, noteworthy of which is rubber, a substrate that standalone UV adhesives typically don't bond well to.

130UV has excellent environmental resistance and is well suited to automotive applications, having passed 85°C/85% relative humidity testing. RoHS compliant, this product has the additional benefit of a low-hazard SDS.



### KEY FEATURES:

- ▶ Dual-cure UV Cyanoacrylate
- ▶ Passes ISO 10993-5 cytotoxicity testing
- ▶ Good adhesion to metals & plastics
- ▶ Tack-free in seconds
- ▶ Cures with low powered UV lamps
- ▶ Reduced odor & bloom
- ▶ Bonds dissimilar substrates
- ▶ Cures clear in a thin bond line
- ▶ RoHS compliant
- ▶ Rapid on-demand UV cure
- ▶ Good SDS - No solvents
- ▶ Good open time for alignment of parts
- ▶ Passes 85°C/85% relative humidity test

### IDEAL FOR BONDING:

- ABS
- Acrylic
- Aluminum
- EPDM
- Mild Steel
- Nylon 6
- PC
- PETG
- PVC
- Rubber
- Stainless Steel
- *And many more*





**DESCRIPTION**

The following technical data for Permabond 130UV is a guideline and does not constitute a specification. For full technical information, please refer to the technical data sheet, available at [www.permabond.com](http://www.permabond.com). Please contact Permabond to discuss your project.

130UV Cyanoacrylate	
Description	Dual-curing cyanoacrylate/UV adhesive - No tack, low bloom
Appearance	Yellow before cure, transparent after cure
Features	Rapid cure, bonds through opaque substrates, low hazard SDS
Approvals	RoHS Compliant, Passes ISO 10993-5 cytotoxicity test
Viscosity @ 25°C	200 mPa.s (cP)
Specific gravity	1.1
Open time / pot life	Moisture cure only: Between 3 & 80 seconds depending on substrate
Service temperature	120°C (248°F)
Storage temperature	2°C to 7°C (35 and 45°F)

**What is 85/85 testing?**

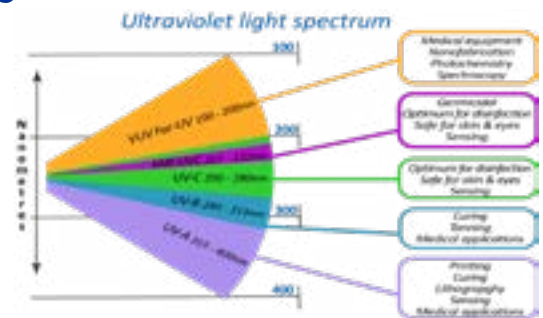
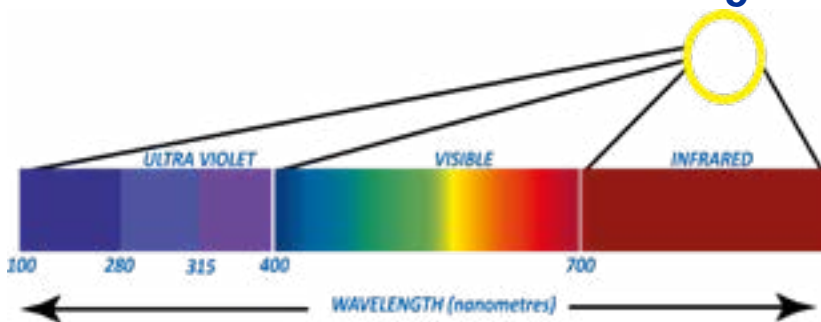
85/85 testing is the abbreviated term for relative humidity (RH) testing an item, in conditions that exceed 85°C with an RH of 85%.

This "accelerated life" test is often used to assess behaviours and limitations in the designs of electrical components, HVAC systems and various applications in automotive production. If you require an IP (Ingress Protection) Rating for your electrical project, it is more likely to pass if it has had the 85/85 testing.

**What is RoHS Compliance?**

This is a regulation for the Restriction of Hazardous Substances to ensure that many types of electrical and electronic equipment (EEE) have controlled levels of certain hazardous chemicals, with the aim of protecting human and animal health. This compliance will have supporting documentation and a Declaration of Conformity.

**Understanding UV Light:**



[WWW.PERMABOND.COM](http://WWW.PERMABOND.COM)

*Authorized distributor stamp:*



[info.americas@permabond.com](mailto:info.americas@permabond.com)

**Americas - 800-640-7599**

[info.europe@permabond.com](mailto:info.europe@permabond.com)

**Europe - 0800 975 9800**

[info.asia@permabond.com](mailto:info.asia@permabond.com)

**Asia + 86 21 5773 4913**

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