

Features & Benefits

- Contains no ozone depleting agent
- Rapid setting on closely mated parts
- Faster cure through gaps
- Enables cyanoacrylates to bond to porous surfaces
- Reduces stress cracking on plastic parts
- No discolouration of part surfaces
- Reduces frosting or fogging of the adhesive
- Allows cyanoacrylates to cure on strongly passivated metals, aged PVC or acidic surfaces such as wood

Description

Permabond[®] QFS16 accelerates cyanoacrylate adhesive cure rate to provide a shorter set time. It can be used in a variety of applications but is particularly suited for porous parts, poorly mated parts, wire tacking applications and applications where stress cracking of plastic could be an issue. It can also be used to cure excess adhesive “fillets”.

Physical Properties

Colour	Colourless
Flashpoint	-2°C (28.4°F)
Specific Gravity	0.68
Set time 23°C (with 100cP ethyl-2-cyanoacrylate)	Steel (no gap): 5 seconds Steel (5mil gap): 40-60 seconds Steel (no gap, no QFS16): 10-15 seconds Buna-N (no gap): 10 seconds Phenolic (no gap): 5 seconds

Storage & Handling

Storage Temperature	5 to 25°C (41 to 77°F)
---------------------	------------------------

Additional Information

Users are reminded that all materials, whether innocuous or not, should be handled in accordance with the principles of good industrial hygiene. Full information can be obtained from the Material Safety Data Sheet.

This Technical Datasheet (TDS) offers guideline information and does not constitute a specification.

The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. In every case we urge and recommend that purchasers before using any product in full-scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. THE PRODUCTS DISCLOSED HEREIN ARE SOLD WITHOUT ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED.

No representative of ours has any authority to waive or change the foregoing provisions but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to their needs and to the circumstances prevailing in their business. Nothing contained herein shall be construed to imply the non-existence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of this patent. We also expect purchasers to use our products in accordance with the guiding principles of the Chemical Manufacturers Association's Responsible Care[®] program.

Directions for Use

- Surfaces should be clean, dry and grease-free prior to primer application.
- Permabond QFS16 should be applied either by wiping (using a clean cloth or brush), spraying or dipping one component.
- Allow QFS16 to fully evaporate before bonding to make sure there isn't any solvent entrapment in the joint.
- Permabond cyanoacrylate adhesive is then applied to the untreated surface; the two parts should be quickly mated.
- Do not put the adhesive on the treated surface as the adhesive could cure before the parts can be properly mated. Only if the gap is extremely large (>20 mil) activator may be applied to both surfaces.
- For maximum bond strength, allow adhesive to cure for 24 hours at 23°C.
- Permabond QFS16 is formulated to minimise attack and maximise performance on certain plastics. However, it is recommended that the product is tested for compatibility prior to use in production.

For post-applying (e.g. for curing excess adhesive fillets or for wire tacking):

- Lightly spray or drip activator onto uncured adhesive (do not react large quantities).

Do not mix Permabond QFS16 directly with cyanoacrylate adhesives.

Video Links

Surface preparation:

<https://youtu.be/8CMOMP7hXiU>

QFS16 directions for use:

<https://youtu.be/flurL97O16c>



www.permabond.com

- UK: 0800 975 9800
- General Enquiries: +44 (0)1962 711661
- US: 732-868-1372
- Asia: + 86 21 5773 4913
- info.europe@permabond.com
- info.americas@permabond.com
- info.asia@permabond.com

The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. In every case we urge and recommend that purchasers before using any product in full-scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. THE PRODUCTS DISCLOSED HEREIN ARE SOLD WITHOUT ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED.

No representative of ours has any authority to waive or change the foregoing provisions but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to their needs and to the circumstances prevailing in their business. Nothing contained herein shall be construed to imply the non-existence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of this patent. We also expect purchasers to use our products in accordance with the guiding principles of the Chemical Manufacturers Association's Responsible Care® program.