

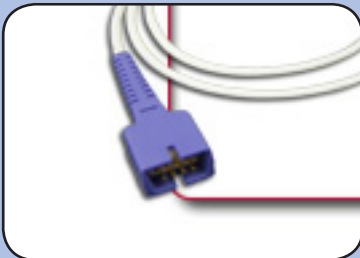
# Product Sales Tool **UV649**

PERMABOND UV649 is a single part, fast setting, UV curable adhesive designed specifically for bonding plastics. This material has excellent adhesion to polycarbonate and many other plastics as well as metals and glass. Permabond UV649 has very high shear strength, elongation and impact resistance making it ideal for applications that require substrates with different coefficients of thermal expansion.

## Application Examples



↑ Permabond UV649 bonds glass or acrylic view windows to plastic or metal bases.



↑ Permabond UV649 is a gel that pots and seals electric connections.



↑ Permabond UV649 bonds the acrylic to acrylic, as well as the acrylic to the metal hinges and clips.

Application	Methods	Benefits	Limitations
Strain Relief	Mechanical	• pressure adjustment possible	• pressure point failure possible
	RTV	• low cost	• long cure time
	UV	• fast cure	• UV light must reach all of the adhesive
Potting / Sealing	Epoxy & Urethane	• low cost	• shrinkage may require refill • cure time
	UV	• lower shrinkage • faster cure	• requires UV light exposure
Bonding	Various	• dependent on application	• dependent on application
	UV	• on demand cure	• UV light must reach all of the adhesive

## Competition

UV curable adhesives are formulated with a broader selection of raw materials than anaerobics and cyanoacrylates. Although the TDS's of two UV adhesives may compare closely, the products could be vastly different.

When replacing competitive adhesives it is best to review the application requirements in addition to the competitive product.

## Industries to Target

- electronics
- display cabinets and shelving
- acrylic trophies
- plastic view windows -  
phones, calculators, alarm clocks, scales, etc...

# Permabond®

Engineering Adhesives

**Confidential - Sales Tools**

**This document is for use ONLY by internal Permabond sales staff and authorised distributors.  
DO NOT DISTRIBUTE TO OTHERS.**

# Product Sales Tool UV649

## Finding Manufacturers

UK - Check out the Applegate directory ([www.applegate.co.uk](http://www.applegate.co.uk)) and head to the products index. From there you can select the desired industry e.g. electric motors or rotary die cutting equipment.

UK, Europe, Asia and Australasia - Kompass (see [www.kompass.com](http://www.kompass.com)) is searchable by country and by product. This will yield potential manufacturing leads in your region.

Americas - Thomas directory ([www.thomasnet.com](http://www.thomasnet.com)) is a popular source of information regarding manufacturers of specific products.

Alternatively, Permabond is more than happy to investigate specific target areas for you and can also advise of any branches of multinational Permabond users who may be in your area.

[www.permabond.com](http://www.permabond.com)

• Americas - 732-868-1372

• Asia + 86 21 5773 4913

• Europe +44(0)1962 711661

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

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

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



### Additional Resources

#### Application Profiles Available:

- Garden Light
- Pulse Oxygen Monitor

#### Other Brochures Available:

- Glass Bonding
- Speaker Bonding

e-mail [help.europe@permabond.com](mailto:help.europe@permabond.com)  
or [info.americas@permabond.com](mailto:info.americas@permabond.com)

## Our Science ... Your Success

### Business Development

Permabond's business development team will support your efforts finding manufacturers in your area. Contact Permabond for assistance prospecting as well as for sales tools and training information.

### Sales

Permabond's sales engineers are available to support you in selecting the best possible adhesive solution for your customer, as well as further training and joint visits.

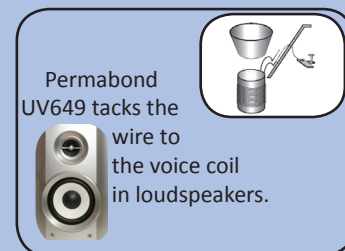
### Technical Support

The experienced team of Permabond chemists is on hand to support you with product information, testing, and custom formulations.

### Application Examples



↑ Permabond UV649 bonds the view window and secures electrical connections without wicking under components.



Permabond UV649 tacks the wire to the voice coil in loudspeakers.



Permabond UV649 bonds the glass lens to the aluminum frame in this garden light.



↑ Permabond UV649 forms clear, strong bonds to acrylic, glass, metal and more. The versatility is appreciated by trophy manufacturers.

**Permabond**  
Engineering Adhesives

### Confidential - Sales Tools

This document is for use ONLY by internal Permabond sales staff and authorised distributors.

DO NOT DISTRIBUTE TO OTHERS.