

Product Sales Tool **TA4810 & TA4820**

Permabond TA4810 and TA4820 are methacrylate adhesives (MMA). These structural adhesives have a 1:1 mix ratio and are available in cartridges for use with a dispensing gun or in bulk for dispensing equipment. They have excellent peel strength, impact resistance and will bond many plastics and unprimed metals.

Application Examples

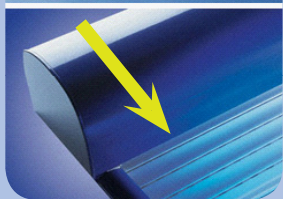


Welding / Brazing

- Tried, tested and trusted
- Simplified joint design

Limitations

- High skill level required - costly
- Rigid, can cause witness marks through thin metal
- Poor appearance - discolouration
- Difficulty joining dissimilar materials
- Oxy-acetylene in the workplace



Epoxy 2-part

- Lower odor than acrylic
- Longer open time

- Parts must be clamped for longer
- Lower peel strength than acrylic

↑Bonding roller doors



↑Bonding caravan interiors



↑Bonding shop fittings



↑Bonding partitioning composites

	Benefits	Limitations
Welding / Brazing	<ul style="list-style-type: none"> • Tried, tested and trusted • Simplified joint design 	<ul style="list-style-type: none"> • High skill level required - costly • Rigid, can cause witness marks through thin metal • Poor appearance - discolouration • Difficulty joining dissimilar materials • Oxy-acetylene in the workplace
Epoxy 2-part	<ul style="list-style-type: none"> • Lower odor than acrylic • Longer open time 	<ul style="list-style-type: none"> • Parts must be clamped for longer • Lower peel strength than acrylic
Permabond TA4810	<ul style="list-style-type: none"> • Toughened - good impact resistance and peel strength • Can be used to bond dissimilar metals, composites and plastics • Less skill required - helps reduce production costs. • Safer assembly process • Good gap filling capability • Rapid room temperature cure 	<ul style="list-style-type: none"> • Short open time so assembly must be fairly quick • Certain joint configurations may need re-designing to optimize performance • Flammability and odor • Temperature performance
Permabond TA4820	<ul style="list-style-type: none"> • As TA4810 but with longer open time 	<ul style="list-style-type: none"> • As TA4810 but longer open time

Competition

Competitor	Permabond TA4810	Permabond TA4820
ITW Plexus	MA300	MA310
Loctite	H3000 / H3300	H3101
Devcon	14300 Plastic Welder	14340 Plastic Welder
ASI	MP 55300	MP 55310
Araldite	2021	2022
ResinLab	AR 4305	AR 4315 HP

Industries to Target

- Sign manufacturers
- Shop fitting manufacturers
- Building facade manufacturers / fitters
- Vehicle converters and fitters
- Lift and stair lift manufacturers
- Display manufacturers
- Composites manufacturers (who do they sell to?)
- Transportation manufacturers

Permabond[®]
Engineering Adhesives

Confidential - Sales Tools

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Finding Manufacturers

Go to <http://www.thomasnet.com>. Under Products and Services, in the search bar, enter one of the applications. Select your state and click "search". Select from the list of resulting categories. In the left-hand nav bar, under Company Type, select "manufacturers". Click "company profile" for contact info. Visit their website to learn about their products and staff.

www.permabond.com

• Americas - 732-868-1372

• Asia + 86 21 5773 4913

• Europe +44(0)1962 711661

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info.asia@permabond.com



Additional Resources

Application Profiles Available:

- Bus panel
- Caravan interior
- Van racking

Other Brochures Available

- Structural acrylics brochure
- Transportation brochure

e-mail 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.

The information given and the recommendations made herein are based on our experience and are believed to be accurate. No guarantee as to, or responsibility for, their accuracy can be given or accepted, however, and no statement herein is to be treated as a representation or warranty. In every case we urge and recommend that purchasers, before using any product, make their own tests to determine, to their own satisfaction, its suitability for their particular purposes under their own operating conditions.

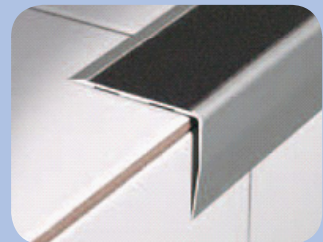
...More Application Examples



↑ Vehicle conversions



↑ Bonding Bus Panels



↑ Bonding Stair Nosings



↑ Bonding Stair Lift Rails



↑ Bonding panels around rolling rod

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