

Permabond®

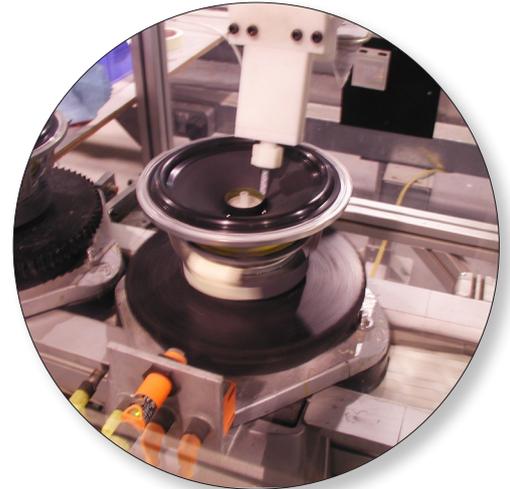
Low Odour Structural Acrylic

ISO 9001:2015 Certified
 "Our Science ... Your Success"

Introducing Permabond TA452 and TA4522 reduced odour structural acrylic adhesives. These new products are ideal for bonding a wide variety of surfaces including metals, magnets, plastics, ceramics, wood and composite materials. These adhesives can be applied bead-on-bead or via static mixing nozzle.

Permabond® TA452 / TA4522 Features & Benefits

- Rapid cure speed = ideal for use high speed production line
- Easy to apply - manual application or can be fully automated
- Reduced odour = improved worker comfort
- Ideal for production lines where ventilation is difficult or too costly
- Less residual smell on bonded parts
- High strength performance - high shear, peel and impact strength
- Excellent environmental resistance and long term durability
- Absorbs thermal shock and differential expansion stress
- Forms structural bonds on a wide variety of materials
- Minimises risk of stress cracking on sensitive plastic materials
- Tack-free finish can be achieved
- Non-flammable for easy transportation and storage



Product Data

Grade	TA452 Fast & Strong on Metals	TA4522 For Rigid Plastics & Metals
Appearance	Part A: Red Part B: Green Mixed: Brownish Purple	Part A: White Part B: Green / Blue Mixed: Green
Viscosity @ 25°C	Mixed: 3,000-6,000 mPa.s	Mixed: 3,000-6,000 mPa.s
Mix Ratio	1:1	1:1
Nozzle Life @23°C	2-3 minutes	4-7 minutes
Handling Time	6-9 minutes	10-15 minutes
Shear Strength	Steel: 20-24 N/mm ² Stainless Steel: 20-24 N/mm ² Aluminium: 18-22 N/mm ² Zinc: 18-22 N/mm ²	PVC: 4-5 N/mm ² Polycarbonate: 4-6 N/mm ² PMMA: 2-3 N/mm ² Polyamide: 2-3 N/mm ² ABS: 2-3 N/mm ² Phenolic: 3-6 N/mm ² Steel: 21-23 N/mm ² Aluminium: 14-16 N/mm ²
Service Temperature	-40 to +130°C (continuous) +150°C (peak)	
Packaging	10 x 50ml cartridges	10 x 50ml cartridges
	6 x 400ml cartridges	6 x 400ml cartridges
	Bulk on request	Bulk on request
Storage	5-25°C	

Distributor Stamp

www.permabond.com

- US Helpline - 800-640-7599
- UK - 0800 975 9800
- Asia + 86 21 5773 4913
- General Enquiries +44(0)1962 711661
- Deutschland 0800 101 3177
- France 0805 111 388

info.europe@permabond.com

info.americas@permabond.com

info.asia@permabond.com



For full technical information, please refer to product data sheet



Permabond®
Engineering Adhesives