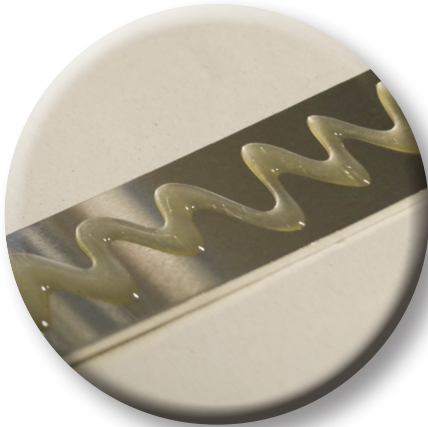


# Permabond®

## TA4207 Structural Acrylic

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

Permabond TA4207 is a convenient, multi-purpose, fast cure, 2-part, 1:1 adhesive, which achieves very high shear strengths on a wide range of metals and plastics, with little or no surface preparation. Even on difficult materials like PET-G, substrate failure is achieved with minimal acetone/IPA degrease and it performs outstandingly well on metals, cutting through oxide layers to form incredibly strong bonds with the parent material, and even achieves high shear strength on oily, unprepared steel. Can be applied with or without mixing nozzles (bead on bead).



### Suitable for applications including (but not limited to):

- Sign bonding
- Shop fitting
- Fascias
- Prosthetic limbs
- Sports equipment
- Electronics
- Vehicle manufacturing - carbon fibre body panels
- Electro plated zinc fasteners, screws, nuts, bolts, switches
- Marine applications where environmental resistance is key



### Permabond® TA4207 Features & Benefits:

- Fast cure
- Very high strength on stainless steel, steel, aluminium, galvanised zinc & plastics
- High strength on hot-dip galvanised steel, electro-plated zinc & carbon fibre
- Substrate failure on PET-G & other plastics
- High temperature resistance
- Minimal surface preparation required
- Excellent environmental resistance
- Convenient 1:1 mix ratio



Ideal for bonding:

Aluminium

Carbon Fibre

Ceramic

Composites

FRP

GRP

PET-G

PMMA

Polycarbonate

PVC

Stainless Steel

Steel

Tin

Wood

Zinc

+many more

# TA4207 Structural Acrylic

## Product Data

<b>Grade</b>	TA4207	
<b>Appearance</b>	A: Straw B: Yellow Mixed: Straw	
<b>Viscosity @ 25°C</b>	Mixed: 2,500 mPa.s	
<b>Mix Ratio</b>	1:1	
<b>Fixture Time</b>	8-10 minutes	
<b>Working Strength</b>	25-30 minutes	
<b>Shear Strength (MPa)</b> <i>*Substrate Failure</i>	Steel (Untreated/ oily)	>28
	Steel (Acetone degrease)	>26
	Stainless Steel (Acetone degrease)	>32
	Aluminium (Acetone degrease)	>25
	Carbon Fibre (IPA degrease)	>16
	Tin (Acetone degrease)	>5
	Hot dip galvanised zinc (Acetone degrease)	>19
	Electro- plated zinc (Acetone degrease)	>19
	PMMA (IPA degrease)	>4*
	PC (IPA degrease)	>4*
	PVC (IPA degrease)	>3*
	FRP (IPA degrease)	>7*
PET-G (IPA degrease)	>8*	
<b>Packaging</b>	10 x 50ml cartridges	
	6 x 400ml cartridges	
	Bulk on request	
<b>Storage</b>	2-7°C	

For full technical information, please refer to product data sheet

For more detailed technical information and product Safety Data Sheets, visit [www.permabond.com](http://www.permabond.com). To discuss your specific application requirements, call the Permabond Helpline and our technical advisors will recommend the best adhesive for you.



Permabond's history of developing and manufacturing engineering adhesives spans **four decades** and three continents. Today, Permabond Engineering Adhesives Ltd (Europe & Asia) and Permabond LLC (Americas) provide technological solutions to engineers all over the world, with offices and facilities in America, Asia and Europe, backed by a high-tech **ISO 9001:2015** certified production plant in Europe. Our

chemists and technicians are available to provide application assistance, custom formulation, in-house prototype testing, joint product development programs and much more.

Distributor Stamp



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**Permabond**  
Engineering Adhesives