

Permabond®

TA4207 Structural Acrylic

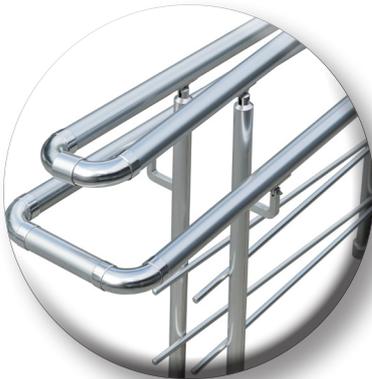
ISO 9001:2015 Certified
 "Our Science ... Your Success"

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) and available in 25ml syringes to remove the need for a dispensing gun.



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
- Easy dispensing: with or without nozzles & guns



Ideal for bonding:

Aluminium

Carbon Fibre

Ceramic

Composites

FRP

GRP

PET-G

PMMA

Polycarbonate

PVC

Stainless Steel

Steel

Tin

Wood

Zinc

+many more

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Product Data

Grade	TA4207	
Appearance	A: Straw B: Yellow Mixed: Straw	
Viscosity @ 25°C	Mixed: 2,500 mPa.s	
Mix Ratio	1:1	
Fixture Time	8-10 minutes	
Working Strength	25-30 minutes	
Shear Strength (MPa) <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*	
Packaging	15 x 25ml syringes	
	10 x 50ml cartridges	
	6 x 400ml cartridges	
	Bulk on request	
Storage	2-7°C	

For more detailed technical information and product Safety Data Sheets, visit 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.



For full technical information visit www.ulbrich-group.com/permabond-ta4207

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Engineering Adhesives