

Permabond®

TA4207 Structural Acrylic

ISO 9001 Certified
"Our Science... Your Success!"

*TA4207 Multi-Purpose, Versatile, High Strength Adhesive.
Bonds Metals, Plastics, Composites, Wood, and more!
Suitable for a variety of applications in virtually every
industry. Fast strength development. Full cure in one hour!*

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).

PERMABOND® TA4207 FEATURES & BENEFITS:

- Very high strength on stainless steel, steel, aluminium, galvanized zinc & plastics
- High strength on hot-dip galvanized steel, electro-plated zinc & carbon fiber
- Substrate failure on PET-G & other plastics
- Acid-free formulation
- High temperature resistance
- Minimal surface preparation required
- Convenient 1:1 mix ratio
- Easy dispensing: with or without nozzles & guns
- Excellent environmental resistance
- Fast cure - full cure in 1 hour



chemical-concepts.com
800.220.1966

410 Pike Road • Huntingdon Valley, PA 19006



Ideal for bonding:

Aluminum

Carbon Fiber

Ceramic

Composites

FRP & GRP

Galvanized Steel

PET-G

PMMA

Polycarbonate

PVC

Stainless Steel

Steel

Tin

Wood

Zinc

+many more

Permabond®
Engineering Adhesives

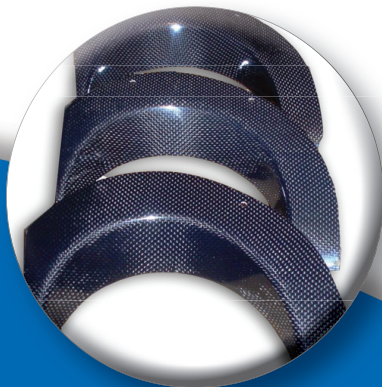
Permabond®

Product Data

Grade	TA4207	
Appearance	A: Straw B: Yellow Mixed: Straw	
Viscosity @ 25°C	Mixed: 2,000 - 5,000 cPs	
Mix Ratio	1:1	
Fixture Time	8-10 minutes	
Working Strength	25-30 minutes	
Full Cure	1 hour	
Shear Strength MPa (psi)	Steel (Untreated/ oily)	>28 (4050)
	Steel (Acetone degrease)	>26 (3770)
	Stainless Steel (Acetone degrease)	>32 (4640)
	Aluminium (Acetone degrease)	>25 (3625)
	Carbon Fiber (IPA degrease)	>16 (2320)
	Tin (Acetone degrease)	>5 (725)
	Hot dip galvanized zinc (Acetone degrease)	>19 (2750)
	Electro-plated zinc (Acetone degrease)	>19 (2750)
	PMMA (IPA degrease)	>4* (580)
	PC (IPA degrease)	>4* (580)
	PVC (IPA degrease)	>3* (435)
	FRP (IPA degrease)	>7* (1015)
PET-G (IPA degrease)	>8* (1160)	
Storage	2-7°C (35-45°F)	

*Substrate Failure

For more detailed technical information and product Safety Data Sheets, visit www.permabond.com. To discuss your specific application requirements, please call Permabond and our technical advisors will recommend the best adhesive for you.



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