

RELIABLY STRONG ADHESIVE - TA4208 BLACK



Permabond TA4208 Black is a multi-purpose, high-viscosity, non-slumping toughened acrylic with a jet-black finish.

It bonds well to a wide range of materials (including metals, plastics, composites, ceramics, and wood) and is ideal for joining dissimilar substrates. Its colour makes it especially suitable for use with dark composites such as carbon fibre.

The adhesive features surface adhesion technology that enables strong bonding through oxide layers and even on oily metal surfaces, reducing the need for extensive surface preparation and streamlining production.

TA4208 Black cures quickly at room temperature, developing high shear and peel strength, along with excellent impact, chemical, and weather resistance, making it ideal for outdoor and demanding applications. Its non-slumping nature allows for easy vertical application or where there are gap-filling requirements.



KEY FEATURES:

- ▶ Jet black finish – good aesthetic finish on carbon fibre
- ▶ Minimal surface preparation required
- ▶ Non-slumping, ideal for vertical applications
- ▶ High shear and peel strength
- ▶ Good impact resistance
- ▶ Fast, room temperature cure
- ▶ Easy to apply using a gun
- ▶ Bonds well to unprepared aluminium
- ▶ Good chemical & environmental resistance
- ▶ 1:1 mix ratio

IDEAL FOR BONDING:

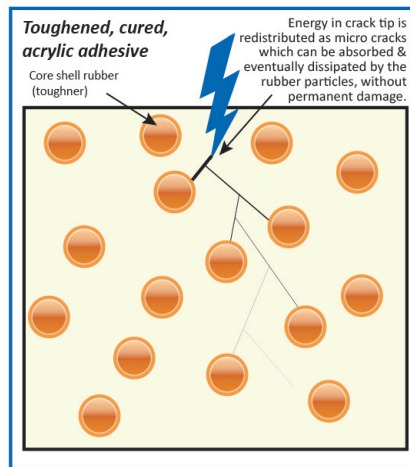
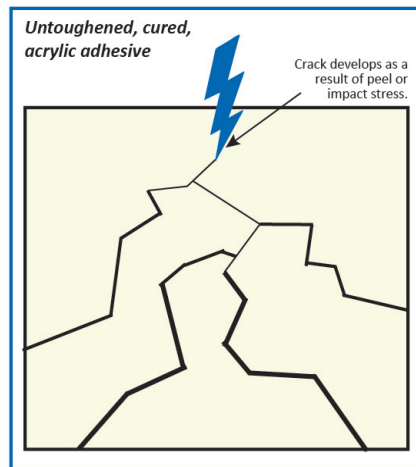
- Aluminum
- Carbon Fibre
- Ceramic
- Composites
- FRP
- GRP
- PET-G
- PMMA
- PC
- PVC
- Stainless Steels
- Steel
- Tin
- Wood
- Zinc
- *and many more materials*





The following technical data for Permabond TA4208 is a guideline and does not constitute a specification. For full technical information, please refer to the technical data sheet, available at www.permabond.com. Please contact Permabond to discuss your bonding project.

	TA4208
Description	Non-slumping, 1:1 mix, MMA structural acrylic
Appearance	A: Straw B: Black Mixed: Jet black
Features	Little/ no surface preparation required, very high strength, bonds dissimilar materials, great environmental and chemical resistance
Viscosity	A: 75,000 mPas B: 118,000 mPas Mixed: 100,00 mPas
Shear Strength	Aluminium: 29-33 N/mm Steel: 27-31 N/mm Electro-plated zinc: 19-23 N/mm Polycarbonate: 9 N/mm (Substrate failure) Carbon fibre: 13-17 N/mm
Handling time	10-15 minutes
Gap fill	3mm
Packaging	50ml cartridge, 400ml cartridge



Microscopic view of cured acrylic adhesive with and without core shell rubber particles for enhanced strength and impact resistance.

WWW.PERMABOND.COM

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KLEBEN VERBINDET |