











Technical Products for Industry

**Permabond**
Engineering Adhesives







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Anaerobic Threadlockers

Grade		Information	Packaging	Notes
A1042 <i>Rapid Cure</i>		PermaBond A1042 is a rapid curing adhesive designed to lock and seal metal parts that subsequently may need to be dismantled for maintenance. The high vibration resistance makes PermaBond A1042 particularly suited to replacing lock washers, split pins and other mechanical locking devices. ■ Strength: Medium ■ Viscosity: Medium	A1042 10 x 10ml bottles	Standard
			A1042 10 x 50ml bottles	Standard
			A1042 5 x 200ml bottles	Standard
			A1042 1 x 2 litre bottle	Please order in multiples of 6
A113 <i>General Purpose</i>		Designed for the locking and sealing of metal parts, PermaBond A113 is ideally suited for use on components that need to be dismantled for maintenance. Giving outstanding vibration resistance, it can be used to replace a wide range of mechanical locking devices. Its excellent chemical resistance makes it suitable for sealing small hydraulic and pneumatic fittings and can dramatically reduce the effects of corrosion. ■ Strength: Medium ■ Viscosity: Low	A113 10 x 10ml bottles	Standard
			A113 10 x 50ml bottles	Standard
			A113 5 x 200ml bottles	Standard
			A113 1 x 1 litre bottle	Please order in multiples of 10
A011 <i>Low Strength</i>		PermaBond A011 is designed for locking and sealing threaded or coaxially fitting metal parts where subsequent dismantling is required. Its controlled strength ensures fatigue, vibration and corrosion resistance on large or fragile components, whilst still allowing assemblies to be stripped down using normal tools. ■ Strength: Low ■ Viscosity: Low	A011 10 x 50ml bottles	Standard
			A011 5 x 200ml bottles	Standard
			A011 1 x 2 litre bottle	Please order in multiples of 6
A130 <i>General Purpose</i>		Designed for the locking and sealing of metal parts, PermaBond A130 is ideally suited for use on components that need to be dismantled for maintenance. Giving outstanding vibration resistance, it can be used to replace a wide range of mechanical locking devices. Its excellent chemical resistance makes it suitable for sealing small hydraulic and pneumatic fittings and can dramatically reduce the effects of corrosion. ■ Strength: Medium ■ Viscosity: Medium	A130 10 x 10ml bottles	Standard
			A130 10 x 50ml bottles	Standard
			A130 5 x 200ml bottles	Standard
HM129 <i>For Oily Surfaces</i>		PermaBond HM129 cures quickly on steel, cadmium, zinc and other plated fasteners. It is used for locking and sealing bolts, nuts and screws that require permanent assembly. When cured, the material prevents loosening and leakage. ■ Strength: High ■ Viscosity: Medium	HM129 10 x 50ml bottles	Standard
			HM129 5 x 200ml bottles	Standard
			HM129 1 x 1 litre bottle	Please order in multiples of 10
HH131 <i>High Temp 230°C</i>		PermaBond HH131 is temperature resistant up to 230°C. It is a high-strength threadlocker and sealant that cures in the absence of air between tight fitting metal parts. It can be used for locking bolts, nuts and screws that require permanent assembly. This material is best suited for applications requiring high temperature resistance. ■ Strength: High ■ Viscosity: High	HH131 10 x 10ml bottles	Standard
			HH131 10 x 50ml bottles	Standard
			HH131 5 x 200ml bottles	Standard
MM070 <i>CoSHH Friendly</i>		PermaBond MM070 is an anaerobic adhesive designed to lock and seal metal parts that subsequently may need to be dismantled for maintenance. The high vibration resistance makes PermaBond MM070 particularly suited to replacing lock washers, split pins and other mechanical locking devices. It is ideal for workplaces and factories which require a "white" MSDS i.e. no need for COSHH assessment. ■ Strength: Medium ■ Viscosity: Medium	MM070 10 x 50ml bottles	Niche
			MM070 5 x 200ml bottles	Niche
HM071 <i>CoSHH Friendly</i>		PermaBond HM071 is an anaerobic adhesive designed to lock and seal metal parts that require high strength locking to prevent vandalism, tampering or vibration loosening. It is ideal for workplaces and factories which require a "white" MSDS i.e. no need for COSHH assessment. ■ Strength: High ■ Viscosity: Medium	HM071 10 x 50ml bottles	Niche









Anaerobic Pipe Threadsealants

Grade		Information	Packaging	Notes
A1044 <i>General Purpose</i>		PermaBond A1044 is a rapid curing sealant designed to lock and seal metal pipe connections, offering very good resistance to even the most aggressive chemicals. PermaBond A1044 can be used to seal against most gases and liquids and can provide an instant pressure seal, minimising down time and speeding up production processes. It will not shred or dry out unlike PTFE. ■ Strength: Medium / High ■ Viscosity: High	A1044 10 x 50ml bottles	Standard
			A1044 5 x 200ml bottles	Standard
			A1044 1 x 1 litre bottle	Please order in multiples of 10
			A1044 1 x 2 litre bottle	Please order in multiples of 6
A129 <i>For Coarse Threads</i>		PermaBond A129 is non-drip anaerobic adhesive. It is specifically designed for use on coarse threads. Because of its viscosity and strength characteristics, it may also be used as a flange sealant of for bonding coaxial joints. Its medium strength also means that it may be dismantled for maintenance with normal tools. ■ Strength: Medium ■ Viscosity: High	A129 10 x 50ml bottles	Standard
			A129 5 x 200ml bottles	Standard
A131 <i>Low Strength</i>		PermaBond A131 is designed to seal threaded pipe connections, including both parallel and tapered thread. Its delayed cure allows accurate alignment of components. Capable of giving an instant pressure seal and not drying out like many mastics, re-work can effectively be eliminated. Should disassembly be necessary, this can be accomplished using normal tools. ■ Strength: Low ■ Viscosity: High	A131 10 x 50ml bottles	Standard
			A131 5 x 200ml bottles	Standard
			A131 1 x 1 litre bottle	Please order in multiples of 10
MH052 <i>For Oxygen Systems</i>		PermaBond MH052 is ideal for the sealing of threaded joints. It is approved for use with gas for working pressure up to 26 bar and also for gaseous oxygen up to 10 bar and 60°C. It seals against gas, water, LPG, hydrocarbons, oils and other chemicals. Unlike PTFE tape or hemp, PermaBond MH052 will not shred or dry out, so it will provide a durable seal, helping to extend the life of the components. ■ Strength: Medium ■ Viscosity: High	MH052 10 x 75ml accordions	Standard
			MH052 10 x 200ml bottles	Standard
			MH052 10 x 300ml cartridges	Standard
A1058 <i>For Large Pipes</i>		PermaBond A1058 is suitable for use on both parallel and tapered threads larger than 3/8" BSP. The delayed cure allows accurate alignment of components yet provides an instant pressure seal, minimising downtime and speeding up production processes. Unlike PTFE or hemp, PermaBond A1058 will not shred or dry out, so it will provide a durable seal, helping to extend the life of the components. ■ Strength: Low ■ Viscosity: Very High	A1058 10 x 250ml tubes	Niche
MH072 <i>CoSHH Friendly</i>		PermaBond MH072 is an anaerobic adhesive designed to seal threaded pipe work connections. MH072 seals against gas, water, LPG, hydrocarbons, oils and other chemicals. Unlike PTFE tape or hemp, PermaBond MH072 will not shred or dry out, so it will provide a durable seal, helping to extend the life of the components. It is ideal for workplaces and factories which require a "white" MSDS i.e. no need for COSHH assessment. ■ Strength: Medium ■ Viscosity: High	MH072 10 x 75ml accordions	Niche









Anaerobic Gasketmakers

Grade		Information	Packaging	Notes
A136 <i>General Purpose</i>		<p>PermaBond A136 is an anaerobic material designed for making “formed-in-situ” gaskets between metal surfaces. It is capable of replacing a wide range of conventional gaskets, thereby offering potential for reduced stock holdings. By allowing surface-to-surface contact, load transmission can be improved. As the product does not shrink, creep or relax after curing, no bolt re-tightening is required. Its excellent chemical resistance allows its use with a wide variety of gases and liquids.</p> <p>■ Strength: Medium ■ Viscosity: High</p>	A136 10 x 50ml bottles	Standard
			A136 5 x 200ml bottles	Standard
			A136 10 x 300ml cartridges	Standard
			A136 1 x 2 litre bottle	Please order in multiples of 6
MH196 <i>High Temp 200°C</i>		<p>PermaBond MH196 is an anaerobic material designed for making “formed-in-situ” gaskets between metal surfaces. It is capable of replacing a wide range of conventional gaskets, thereby offering potential for reduced stock holdings. By allowing surface-to-surface contact, load transmission can be improved. As the product does not shrink, creep or relax after curing, no bolt re-tightening is required. It has excellent chemical and high temperature resistance of up to 200°C.</p> <p>■ Strength: Medium ■ Viscosity: High</p>	MH196 10 x 25ml syringes	MOQ 100 packs
			MH196 10 x 75ml accordions	Standard
			MH196 10 x 300ml cartridges	Standard
LH197 <i>Flexible</i>		<p>PermaBond LH197 is an anaerobic material designed for “formed-in-situ” gaskets between metal surfaces. It is highly flexible, making it ideal for dissimilar surfaces where differential thermal expansion and contraction could be an issue. Due to its flexibility, it is easy to remove and ideal for gasketing applications, where routine disassembly is required, or on soft metal surfaces such as certain aluminium alloys which damage easily.</p> <p>■ Strength: Low ■ Viscosity: High</p>	LH197 10 x 50ml bottles	Standard
			LH197 10 x 75ml accordions	Standard
			LH197 10 x 300ml cartridges	Standard
MH199 <i>High Temp 200°C</i>		<p>PermaBond MH199 is an anaerobic material designed for making “formed-in-situ” gaskets between metal surfaces. It is capable of replacing a wide range of conventional gaskets, thereby offering potential for reduced stock holdings. By allowing surface-to-surface contact, load transmission can be improved. As the product does not shrink, creep or relax after curing, no bolt re-tightening is required. It has excellent chemical and high temperature resistance of up to 200°C.</p> <p>■ Strength: Medium ■ Viscosity: Very High</p>	MH199 10 x 75ml accordions	Standard
			MH199 10 x 300ml cartridges	Standard









Anaerobic Retainers

Grade		Information	Packaging	Notes
A1046 <i>Rapid Cure</i>		PermaBond A1046 is a toughened anaerobic retainer. It is ideal for the permanent locking and sealing of metal parts such as pulleys, bearings, gears and threaded components. It exhibits high strength, even under the most arduous of conditions. It cures rapidly on metal components. ■ Strength: High ■ Viscosity: Medium	A1046 10 x 10ml bottles	Standard
			A1046 10 x 50ml bottles	Standard
			A1046 5 x 200ml bottles	Standard
			A1046 1 x 2 litre bottle	Please order in multiples of 6
A118 <i>Low Viscosity</i>		PermaBond A118 is an anaerobic retainer designed to provide permanent locking and sealing of metal parts such as bearings, gears, studs and other threaded components. It exhibits high strength, excellent durability and resistance to vibration, fatigue and fretting corrosion. These features allow machining tolerances to be relaxed and mechanical locking devices to be eliminated, with subsequent cost savings. ■ Strength: High ■ Viscosity: Low	A118 10 x 10ml bottles	Standard
			A118 10 x 50ml bottles	Standard
			A118 5 x 200ml bottles	Standard
			A118 1 x 2 litre bottle	Please order in multiples of 6
A134 <i>High Viscosity</i>		PermaBond A134 is a high-strength anaerobic product designed for the permanent locking and sealing of metal parts. Its "non-drip" formulation makes it suitable for use on larger fittings, coarse threads or for the renovation of assemblies where wide tolerances are expected, due to damage or wear. A134 can extend the life of components by reducing the effects of corrosion in aggressive environments. ■ Strength: High ■ Viscosity: High	A134 10 x 50ml bottles	Standard
			A134 5 x 200ml bottles	Standard
F200 <i>Rubber Toughened</i>		Similar to F201 but with low viscosity ■ Strength: High ■ Viscosity: Low	F200 10 x 50ml bottles	Niche
			F200 5 x 200ml bottles	Niche
F201 <i>Rubber Toughened</i>		F201 has been developed to give excellent resistance to peel and impact forces. This toughening, combined with good adhesion to aluminium and copper alloys, makes it the first choice when relatively thin or lightweight components are being bonded which may be subject to "distortion" in service. It is capable of resisting the thermal stresses that may be generated when bonding dissimilar surfaces. ■ Strength: High ■ Viscosity: Medium	F201 10 x 50ml bottles	Standard
			F201 5 x 200ml bottles	Standard
			F201 1 x 2 litre bottle	Please order in multiples of 6
F202 <i>Rubber Toughened</i>		Similar to F201 but with higher viscosity for larger gaps. ■ Strength: High ■ Viscosity: High	F202 10 x 50ml bottles	Standard
			F202 5 x 200ml bottles	Standard
A025 <i>High Temp 200°C</i>		PermaBond A025 is an anaerobic adhesive formulated to provide permanent locking and sealing of metal parts such as bearings, gears, studs and other threaded components. It has been designed to withstand temperatures of up to 200°C or for where the maximum degree of chemical resistance is required. These features allow machining tolerances to be relaxed and mechanical locking devices to be eliminated, with subsequent cost savings. ■ Strength: Low ■ Viscosity: High	A025 10 x 50ml bottles	Standard
			A025 x 200ml bottles	Standard
A126 <i>Wicking</i>		PermaBond A126 is a high-strength anaerobic adhesive for permanent assembly of coaxial assemblies or threaded metal components. The exceptionally low viscosity of this product makes it ideal for use on tight-fitting components or where the adhesive needs to be applied after assembly. In addition, it may also be used to seal porosity in welds or castings. ■ Strength: High ■ Viscosity: Ultra-low	A126 10 x 10ml bottles	Standard
			A126 10 x 50ml bottles	Standard
			A126 5 x 200ml bottles	Standard
			A126 1 x 2 litre bottle	Please order in multiples of 6









Anaerobic Retainers









Grade		Information	Packaging	Notes
A1024 <i>Wicking</i>		Permabond A1024 has been developed for production lines where components are already assembled and require adhesive sealant to wick into joints to provide a seal. The adhesive is UV fluorescing which allows easy in-line inspection. ■ Strength: Medium ■ Viscosity: Very Low	A1024 1 x 1 litre bottle	Please order in multiples of 10
A1062 <i>Wicking UV/AA</i>		Permabond A1062 is a single component anaerobic adhesive. It cures in closely fitting joints in the presence of metal and exclusion of oxygen. It has a secondary cure feature which allows the adhesive fillet on the outside of the joint to be cured via UV irradiation. This helps obtain a better seal and improve environmental durability. Its low viscosity also makes this adhesive ideal for post-assembly application. ■ Strength: Medium ■ Viscosity: Very Low	A1062 4 x 250ml bottles	Niche
			A1062 1 x 500ml bottle	Niche
			A1062 1 x 1 litre bottle	Please order in multiples of 10
HM135 <i>Rapid Cure</i>		Permabond HM135 is a fast-curing, medium-viscosity anaerobic adhesive for locking and sealing threads and retaining cylindrical components. It gives maximum torque strength on brass or plated brass components and provides excellent temperature and chemical resistance. ■ Strength: High ■ Viscosity: Medium	HM135 10 x 50ml bottles	Standard
			HM135 5 x 200ml bottles	Standard
			HM135 4 x 250ml bottles	Standard
HM146 <i>KTW Cert</i>		Permabond® HM146 is a high strength anaerobic adhesive suitable for locking and sealing threaded pipe connections. It is suitable for the permanent sealing of threaded pipe joints for water and gas pipework systems. ■ Strength: High ■ Viscosity: Low/Medium	A011 10 x 50ml bottles	Niche
			A011 5 x 200ml bottles	Niche
HM162 <i>High Temp 200°C</i>		Permabond HM162 is a medium-viscosity retaining compound that cures when confined between metal parts to form an extremely tough bond. It is best suited for cylindrical parts and where high temperature resistance is required. In the uncured liquid state, the adhesive wets the metal surfaces, keying into all surface irregularities and filling the space between the mated parts. ■ Strength: High ■ Viscosity: Medium	HM162 10 x 10ml bottles	Standard
			HM162 10 x 50ml bottles	Standard
			HM162 5 x 200ml bottles	Standard
			HM162 4 x 250ml bottles	Standard
			HM162 1 x 1 litre bottle	Multiples of 10
			HM162 1 x 2 litre bottle	Multiples of 6
HM163 <i>For Inactive Surfaces</i>		Permabond HM163 is a medium viscosity, thixotropic anaerobic retaining compound that cures when confined between metal parts to form a tough bond. It has been specifically formulated to provide a fast cure on inactive surfaces such as aluminium and stainless steel. The viscosity and thixotropic effect of the material allows for the use of larger tolerances on components. ■ Strength: High ■ Viscosity: Medium	HM163 10 x 50ml bottles	Niche
			HM163 5 x 200ml bottles	Niche
HM165 <i>High Temp 230°C</i>		Permabond HM165 is a high-viscosity anaerobic retaining compound that cures when confined between metal parts to form an extremely tough bond. It is best suited for cylindrical parts and where high temperature resistance is required. The high viscosity and thixotropic effect of the material allows for larger tolerances. ■ Strength: High ■ Viscosity: Medium	HM165 10 x 50ml bottles	Standard
			HM165 5 x 200ml bottles	Standard
			HM165 4 x 250ml bottles	Standard
HH167 <i>Metal Repair</i>		Permabond HH167 is a high-viscosity gap-filling silver-coloured paste which can be used for repairing metal machinery parts. It is ideal for repairing worn shafts, broken threads, damaged keyways and splines. Permabond HH167 has excellent chemical and temperature resistance. ■ Strength: Very High ■ Viscosity: Very High	HH167 10 x 10ml bottles	Standard
			HH167 10 x 75ml accordions	Standard
			HH167 10 x 300ml cartridges	Standard

Cyanoacrylates









Grade		Information	Packaging	Notes
101 <i>Wicking</i>		PermaBond 101 has been developed primarily for the bonding of rubber materials to enable the manufacture of "O" rings, gaskets etc. where a rapid cure is required and the bond areas are generally small. With a viscosity similar to water, it can also be applied after assembly of the components where parts need to be accurately aligned and / or adjusted prior to bonding. ■ Strength: High ■ Viscosity: Very Low	101 10 x (5g x 5) clam pack	Standard
			101 15 x 20g bottles	Standard
			101 10 x 50g bottles	Standard
			101 1 x 500g bottle	Standard
			101 Bulk	On request
102 <i>General Purpose</i>		PermaBond 102 is capable of bonding a wide variety of materials such as plastics, rubbers and metals. Its fast cure and medium viscosity make it suitable for application directly from the bottle and for the manual assembly of parts. However, it can also be applied easily via automated dispensing equipment where speed and / or precision is required. ■ Strength: High ■ Viscosity: Low	102 75 x 3g tubes	Standard
			102 10 x (5g x 5) clam pack	Standard
			102 15 x 20g bottles	Standard
			102 10 x 50g bottles	Standard
			102 1 x 500g bottle	Standard
105 <i>Difficult Surfaces</i>		PermaBond 105 is a high-purity cyanoacrylate adhesive, which can be used to bond a wide range of materials that may be difficult to bond with general purpose cyanoacrylates. It is particularly suitable for bonding natural rubber, butyl rubber and EPDM. It can easily be applied directly from the bottle or via automated dispensing equipment where speed and / or precision is required. ■ Strength: High ■ Viscosity: Low	105 15 x 20g bottles	Standard
			105 10 x 50g bottles	Standard
			105 1 x 500g bottle	Standard
			105 Bulk	On request
240 <i>High Viscosity</i>		PermaBond 240 has been specially developed to provide a slower cure than most cyanoacrylates. This allows time for accurate alignment of parts where this is critical or to enable the assembly of somewhat larger components. In addition, its high viscosity makes it particularly suitable for use on foamed rubber or semi porous materials such as leather and wood. ■ Strength: High ■ Viscosity: High	240 15 x 20g bottles	Standard
			240 10 x 50g bottles	Standard
			240 1 x 500g bottle	Standard
			240 Bulk	On request
910 <i>Metal Bonding</i>		PermaBond 910 is based on methyl cyanoacrylate. It provides rapid bonds between a wide variety of materials and is particularly suited to use on metallic components. It can easily be applied directly from the bottle or via automated dispensing equipment where speed and/or precision is required. ■ Strength: Very High ■ Viscosity: Low	910 15 x 20g bottles	Standard
			910 10 x 50g bottles	Standard
			910 1 x 500g bottle	Standard
			910 Bulk	On request
791 <i>Surface Insensitive</i>		Producing extremely rapid bonds between a wide variety of materials, including plastics, rubbers, metals, paper, card and leather, PermaBond 791 is particularly suited to rapid-assembly operations involving small components. Its low viscosity will allow penetration of porous materials where this is required or in some cases it may be applied after assembly of the components. ■ Strength: High ■ Viscosity: Very Low	791 15 x 20g bottles	Standard
			791 10 x 50g bottles	Standard
			791 1 x 500g bottle	Standard
			791 Bulk	On request
792 <i>Surface Insensitive</i>		Producing extremely rapid bonds between a wide variety of materials, including plastics, rubbers, metals, paper, card and leather, PermaBond 792 is particularly suited to rapid-assembly operations involving small components. ■ Strength: High ■ Viscosity: Low	792 15 x 20g bottles	Standard
			792 10 x 50g bottles	Standard
			792 1 x 500g bottle	Standard
			792 Bulk	On request
2010 <i>High Viscosity</i>		Thanks to its "non-drip" characteristics, PermaBond 2010 is ideal for bonding many porous materials and can be used on vertical or inverted surfaces. Its rapid cure and gap fill capability extend the use of cyanoacrylates into previously unsuitable applications. ■ Strength: High ■ Viscosity: High	2010 15 x 20g bottles	Standard
			2010 10 x 50g bottles	Standard
			2010 1 x 500g bottle	Standard
			2010 Bulk	On request

Cyanoacrylates









Grade		Information	Packaging	Notes
2011 <i>Gel</i>		PermaBond 2011 is ideal for bonding many porous materials and can be used on vertical or inverted surfaces. Its rapid cure and gap fill capability extend the use of cyanoacrylates into previously unsuitable applications. It is easy to dispense from its special packaging. ■ Strength: High ■ Viscosity: Very High	2011 20 x 20g tube	Standard
			2011 1 x 300g cartridge	Please order in multiples of 10
			2011 850g cartridge	Special order (MOQ)
731 <i>Tough-ened</i>		PermaBond 731 is a toughened cyanoacrylate with very good impact and peel strength when compared to a conventional cyanoacrylate. It bonds rapidly at room temperature and its viscosity is stable over the shelf life of the product. This provides consistent performance. The product adheres to a variety of surfaces including steel, aluminium, galvanized steel, plastics and elastomers. ■ Strength: Very High ■ Viscosity: Low	731 15 x 20g bottles	Standard
			731 10 x 50g bottles	Standard
			731 1 x 500g bottle	Standard
			731 Bulk	On request
735 <i>Tough-ened</i>		PermaBond 735 is a toughened cyanoacrylate with very good impact and peel strength when compared to a conventional cyanoacrylate. It bonds rapidly at room temperature and its viscosity is stable over the shelf life of the product. This provides consistent performance. The product adheres to a variety of surfaces including steel, aluminum, galvanized steel, plastics and elastomers. ■ Strength: Very High ■ Viscosity: Low	735 15 x 20g bottles	Standard
			735 10 x 50g bottles	Standard
			735 1 x 500g bottle	Standard
			735 Bulk	On request
737 <i>High Viscosity</i>		PermaBond 737 is a toughened cyanoacrylate with improved impact and peel strength for maximum flexibility. 737 bonds rapidly to a variety of surfaces including aluminium, steel (both zinc-plated and uncoated), plastics and rubbers. ■ Strength: Very High ■ Viscosity: High	737 15 x 20g bottles	Standard
			737 10 x 50g bottles	Standard
			737 1 x 500g bottle	Standard
			737 Bulk	On request
2050 <i>Flexible</i>		PermaBond 2050 is a flexible cyanoacrylate adhesive, exhibiting improved peel strengths when compared to other grades. 2050 is ideal for use on flexible or semi-porous surfaces. It can also be used to bond silicone when used in conjunction with PermaBond Polyolefin Primer. ■ Strength: High ■ Viscosity: High	2050 15 x 20g bottles	Standard
			2050 10 x 50g bottles	Standard
			2050 1 x 500g bottle	Standard
			2050 Bulk	On request
801 <i>High Temp 130°C</i>		PermaBond 801 is a low-viscosity, high-performance adhesive, specifically designed to provide the high temperature resistance required by certain applications. It provides excellent bond strengths on most metal surfaces and to a wide variety of plastic and rubber materials. ■ Strength: High ■ Viscosity: Low	801 15 x 20g bottles	Standard
			801 10 x 50g bottles	Standard
			801 1 x 500g bottle	Standard
802 <i>High Temp 160°C</i>		PermaBond 802 is a low-viscosity, high-performance adhesive, specifically designed to provide the high temperature resistance required by certain applications. It provides excellent bond strengths on most metal surfaces and to a wide variety of plastic and rubber materials. ■ Strength: High ■ Viscosity: Low	802 15 x 20g bottles	Standard
			802 10 x 50g bottles	Standard
			802 1 x 500g bottle	Standard
820 <i>High Temp 200°C</i>		PermaBond 820 is a low-viscosity, high-performance adhesive, specifically designed to provide the high temperature resistance required by certain applications. It provides excellent bond strengths on most metal surfaces and to a wide variety of plastic and rubber materials. ■ Strength: High ■ Viscosity: Low	820 15 x 20g bottles	Standard
			820 10 x 50g bottles	Standard
			820 1 x 500g bottle	Standard

Grade		Information	Packaging	Notes
920 High Temp 250°C		Permabond 920 is the original allyl cyanoacrylate adhesive, specifically designed to provide the high temperature resistance required by certain applications. It provides excellent bond strength on most metal surfaces and to a wide variety of plastic and rubber materials. A post cure at 150°C for two hours is recommended for this product to optimise its performance at high temperature. ■Strength: High ■Viscosity: Low	920 15 x 20g bottles	Standard
			920 10 x 50g bottles	Standard
			920 1 x 500g bottle	Standard
			920 Bulk	On request
2013 High Temp Gel		Permabond 2013 is a gel type high performance cyanoacrylate adhesive, specifically designed to provide the high temperature resistance required by certain applications. It is ideal for bonding most metals, plastics and rubbers and will form a high strength, durable bond. ■Strength: High ■Viscosity: Very High	2013 1 x 300g cartridge	Niche
3D90 3D Print Infiltrant		Permabond 3D90 is a low odour, non-fogging, non-frosting alkoxyethyl cyanoacrylate. Permabond 3D90 has been developed for use as an infiltrant for toughening 3D printed parts - its ultra-low viscosity is ideal for wicking into porous surfaces and its delayed cure allows deeper penetration into larger parts. The low odour formulation allows use in large dip baths or for coating large surfaces. Using Permabond 3D90 on printed parts helps strengthen and protect them, as well as fill any voids or porosities and give a smooth, shiny finished appearance.	3D90 1 x 500g bottle	Niche
			3D90 1 x 2kg	Niche
			3D90 Bulk	Niche
940 Low Odour		Permabond 940 is a low-odour, “non-blooming”, alkoxyethyl cyanoacrylate. The reduced odour improves worker comfort and makes it possible to use cyanoacrylate where ventilation is impractical. The “non-blooming” effect means this product is suitable for use on dark coloured substrates where aesthetic appearance is important. ■Strength: High ■Viscosity: Very Low	940 15 x 20g bottles	Standard
			940 10 x 50g bottles	Standard
			940 1 x 500g bottle	Standard
			940 Bulk	On request
941 Low Odour		Permabond 941 is a low-odour, “non-blooming”, alkoxyethyl cyanoacrylate. The reduced odour improves worker comfort and makes it possible to use cyanoacrylate where ventilation is impractical. The “non-blooming” effect means this product is suitable for use on dark coloured substrates where aesthetic appearance is important. ■Strength: Very High ■Viscosity: Low	941 15 x 20g bottles	Standard
			941 10 x 50g bottles	Standard
			941 1 x 500g bottle	Standard
			941 Bulk	On request
943 Low Odour		Permabond 943 is a low-odour, “non-blooming”, alkoxyethyl cyanoacrylate. The reduced odour improves worker comfort and makes it possible to use cyanoacrylate where ventilation is impractical. The “non-blooming” effect means this product is suitable for use on dark coloured substrates where aesthetic appearance is important. ■Strength: High ■Viscosity: Medium	943 15 x 20g bottles	Standard
			943 10 x 50g bottles	Standard
			943 1 x 500g bottle	Standard
			943 Bulk	On request
947 Low Odour		Permabond 947 is a low-odour, “non-blooming”, alkoxyethyl cyanoacrylate. The reduced odour improves worker comfort and makes it possible to use cyanoacrylate where ventilation is impractical. The “non-blooming” effect means this product is suitable for use on dark coloured substrates where aesthetic appearance is important. ■Strength: High ■Viscosity: High	947 15 x 20g bottles	Standard
			947 10 x 50g bottles	Standard
			947 1 x 500g bottle	Standard
			947 Bulk	On request
2012 Low Odour Gel		Permabond 2012 is a low odour, ‘non-blooming’ alkoxyethyl cyanoacrylate. The reduced odour improves worker comfort of makes it possible to use cyanoacrylate where ventilation is impractical. The ‘non-blooming’ effect means this product is suitable for use on dark coloured substrates where aesthetic appearance is important. ■Strength: High ■Viscosity: Very High	2012 1 x 300g cartridge	Niche

Two-Part Epoxies

Grade		Information	Packaging	Notes
ET500 <i>Rapid Cure</i>		PermaBond ET500 will bond to a wide variety of surfaces such as wood, metal, ceramics and many plastic and composite materials. It cures rapidly to give a handling strength in approximately 5 minutes at room temperature.	Double Bubble 50 x 3g sachets	Niche
			ET500 15 x 25ml syringes	Standard
			ET500 10 x 50ml cartridges + nozzles	Standard
			T500 25 x 50ml cartridges + nozzles	Standard
			ET500 30 x 50ml cartridges	Standard
			ET500 A/B Bulk available on request	Standard
ET502 <i>High Visc. Rapid Cure</i>		PermaBond ET502 is a two-part colourless epoxy adhesive which bonds to a wide variety of substrates such as wood, metal, ceramics and some plastics and composites. It cures at room temperature to give handling strength in approximately 2-3 minutes. This product is ideal for general purpose bonding and is suitable for applications that require a clear bond line and good gap fill.	ET502 25 x 50ml cartridges + nozzles	Niche
			ET502 30 x 50ml cartridges	Niche
			ET502 6 x 400ml cartridges + nozzles	Niche
			ET502 A/B Bulk available on request	Niche
ET5011 <i>Clear</i>		PermaBond ET5011 is a two-part colourless epoxy adhesive which bonds to a wide variety of substrates such as wood, metal, ceramics and some plastics and composites. It cures at room temperature to give handling strength in approximately 25 minutes. This product is ideal for general purpose bonding and is suitable for applications that require a clear bond line.	ET5011 10 x 50ml cartridges + nozzles	Niche
			ET5011 30 x 50ml cartridges	Niche
			ET5011 6 x 400ml cartridges + nozzles	Niche
			ET5011 A/B Bulk available on request	Niche
ET505 <i>Slow Set</i>		PermaBond ET505 is a structural, room-temperature-curing, epoxy adhesive that will bond to a wide variety of surfaces such as wood, metal, ceramics and many plastic and composite materials. It exhibits good resistance to petrol, oils and water and has an extended cure time making it more suitable for larger applications or batch production processes.	ET505 10 x 50ml cartridges + nozzles	Standard
			ET505 25 x 50ml cartridges + nozzles	Standard
			ET505 30 x 50ml cartridges	Standard
			ET505 6 x 200ml cartridges + nozzles	Standard
			ET505 6 x 400ml cartridges + nozzles	Standard
			ET505 A/B Bulk available on request	Standard
ET510 <i>General Purpose</i>		PermaBond ET510 will bond to a wide variety of surfaces such as wood, metal, ceramics and many plastic and composite materials. It is a semi-flexible structural adhesive and has good resistance to water, petrol and most oils.	ET510 10 x 50ml cartridges + nozzles	Standard
			ET510 25 x 50ml cartridges + nozzles	Standard
			ET510 30 x 50ml cartridges	Standard
			ET510 6 x 200ml cartridges + nozzles	Standard
			ET510 6 x 400ml cartridges + nozzles	Standard
			ET510 A/B Bulk available on request	Standard
ET514 <i>Gap Filling</i>		PermaBond ET514 is a 1:1 mixable epoxy adhesive. It has excellent resistance to impact and vibration and is ideal for structural bonding of metal, wood, composites and certain plastics. Its rapid cure speed coupled with its structural strength makes this adhesive suitable for a wide variety of applications. ET514 is high strength and has excellent environmental durability.	ET514 10 x 50ml cartridges + nozzles	Standard
			ET514 25 x 50ml cartridges + nozzles	Standard
			ET514 30 x 50ml cartridges	Standard
			ET514 6 x 400ml cartridges + nozzles	Standard
			ET514 A/B Bulk available on request	Standard
ET515 <i>Clear, Flexible</i>		ET515 is a highly flexible epoxy that will bond to a wide variety of surfaces such as wood, metal, ceramics and many plastic and composite materials. It has a relatively rapid setting time and is ideal for bonding dissimilar materials where differential thermal expansion is anticipated.	ET515 10 x 50ml cartridges + nozzles	Standard
			ET515 25 x 50ml cartridges + nozzles	Standard
			ET515 30 x 50ml cartridges	Standard
			ET515 6 x 200ml cartridges + nozzles	Standard
			ET515 6 x 400ml cartridges + nozzles	Standard
			ET515 A/B Bulk available on request	Standard
ET530 <i>Ultra Low Viscosity</i>		PermaBond ET530 2-part epoxy is suitable for bonding outer wrapping filters (reverse osmosis); low viscosity allows a rapid penetration on fibres, filaments (i.e. glass filaments). It is ideal for glass artistic mosaics, due to its low yellowing upon light exposure. Its low viscosity also makes it suitable for potting and encapsulation of electronic components.	ET530 A/B Bulk available on request	Niche









Two-Part Epoxies

Grade		Information	Packaging	Notes
ET536 <i>Toughened</i>		Permabond ET536 is a two-part, 1:1 mixable epoxy adhesive with good adhesion to a variety of substrates such as wood, metal, ceramics and some plastics and composites. Permabond ET536 forms tough bonds providing high peel resistance and high shear strength. The extended work life of this product allows for adjustment and makes it more suitable for larger applications.	ET536 10 x 50ml cartridges + nozzles	Standard
			ET536 25 x 50ml cartridges + nozzles	Standard
			ET536 30 x 50ml cartridges	Standard
			ET536 6 x 200ml cartridges + nozzles	Standard
			ET536 6 x 400ml cartridges + nozzles	Standard
			ET536 A/B Bulk available on request	Standard
ET538 <i>Toughened</i>		Permabond ET538 is a structural, room temperature curing epoxy adhesive that has excellent adhesion to a wide variety of surfaces such as wood, metal, ceramics and many plastic and composite materials. It exhibits good resistance to petrol, oils and water and has an extended cure time making it suitable for larger applications and batch production processes. Its thixotropic "non-slump" nature makes it suitable for gap filling or vertical application.	ET538 10 x 50ml cartridges + nozzles	Standard
			ET538 25 x 50ml cartridges + nozzles	Standard
			ET538 30 x 50ml cartridges	Standard
			ET538 6 x 200ml cartridges + nozzles	Standard
			ET538 6 x 400ml cartridges + nozzles	Standard
			ET538 A/B Bulk available on request	Standard
ET540 <i>High Temp</i>		Permabond ET540 is a two-part, 2:1 mixable, semi-flexible toughened no slump epoxy adhesive with good adhesion to a variety of substrates such as wood, metal, ceramics and some plastics and composites. Permabond ET540 forms tough bonds providing high peel resistance and high shear strength coupled with excellent resistance to high temperatures. The extended work life of this product allows for adjustment making it very suitable for larger applications.	ET540 10 x 50ml cartridges + nozzles	MOQ 30 pks
			ET540 6 x 400ml cartridges + nozzles	Niche
			ET540 A/B Bulk available on request	Niche
ET5401 <i>High Temp</i>		Permabond ET5401 is a two-part, 2:1 mixable, semi-flexible toughened no slump epoxy adhesive with good adhesion to a variety of substrates such as wood, metal, ceramics and some plastics and composites. Permabond ET5401 forms tough bonds providing high peel resistance and high shear strength coupled with excellent resistance to high temperatures.	ET5401 10 x 50ml cartridges + nozzles	Standard
			ET5401 6 x 400ml cartridges + nozzles	Standard
			ET5401 A/B Bulk available on request	Standard
ET5411 <i>High Temp</i>		Permabond ET5411 is a two part adhesive with a soft paste consistency. When fully cured, which must be at temperatures above 90°C, ET5411 exhibits exceptional chemical and temperature resistance. The controlled flow properties as well as its ease of mixing and application, enables the adhesive to be used where gap filling is required.	ET5411 10 x 50ml cartridges + nozzles	MOQ 30 pks
			ET5411 A/B Bulk available on request	Niche
ET5143 <i>FDA Compliant</i>		Permabond ET5143 is a fast setting, thixotropic two part adhesive with good resistance to impact and vibration. The controlled flow properties as well as its ease of mixing and application, enables the adhesive to be used where gap filling is required. Permabond ET5143 has been specifically formulated for use in applications requiring compliance with FDA regulations.	ET5143 10 x 50ml cartridges + nozzles	MOQ 30 pks
			ET5143 6 x 400ml cartridges + nozzles	Niche
			ET5143 A/B Bulk available on request	Niche
ET5144 <i>FDA Compliant</i>		Permabond ET5144 is a two component epoxy adhesive. It has excellent resistance to impact and vibration and is ideal for structural bonding of metal, wood, composites and certain plastics. ET5144 is high strength and has excellent environmental durability. It is suitable for applications where cured product is to come into contact with food or beverage as it is formulated with FDA approved raw materials.	ET5144 A/B Bulk available on request	Niche
ET5145 <i>FDA Compliant</i>		Permabond ET5145 is a 1:1 mixable epoxy adhesive. It has excellent resistance to impact and vibration and is ideal for structural bonding of metal, wood, composites and certain plastics. ET5145 is high strength and has excellent environmental durability. It is suitable for applications where cured product is to come into contact with food or beverage as it is formulated with FDA approved raw materials.	ET5145 10 x 50ml cartridges + nozzles	MOQ 30 pks
			ET5145 6 x 400ml cartridges + nozzles	Niche
			ET5145 A/B Bulk available on request	Niche









Two-Part Epoxies

Grade		Information	Packaging	Notes
ET5147 <i>FDA Compliant</i>		PermaBond ET5147 is a 2:1 mixable epoxy adhesive. It has excellent resistance to impact and vibration and is ideal for structural bonding of metal, wood, composites and certain plastics. Its rapid cure speed coupled with its structural strength makes this adhesive suitable for a wide variety of applications. ET5147 is high strength and has excellent environmental durability.	ET5147 6 x 400ml cartridges + nozzles	Niche
			ET5147 A/B Bulk available on request	Niche
ET5428 <i>For Composites</i>		PermaBond ET5428 has been specifically formulated for use in applications requiring toughness and high strength and shows special benefits in the construction of composite assemblies. Available in cream or black (please specify preference when ordering).	ET5428 10 x 50ml cartridges + nozzles	Standard
			ET5428 6 x 400ml cartridges + nozzles	Standard
			ET5428 A/B Bulk available on request	Standard
ET5429 <i>For Composites</i>		PermaBond ET5429 is a thixotropic two part adhesive with excellent resistance to impact and vibration. The controlled flow properties as well as its ease of mixing and application, enables the adhesive to be used where gap filling or vertical application is required. PermaBond® ET5429 has been found to provide exceptional performance even at elevated temperatures. It is ideal for use in construction of composite assemblies.	ET5429 10 x 50ml cartridges + nozzles	Standard
			ET5429 6 x 400ml cartridges + nozzles	Standard
			ET5429 A/B Bulk available on request	Standard
MT382 <i>Flexible Potting</i>		PermaBond MT382 two-part, modified epoxy adhesive designed for sealing/bonding and potting applications. It has excellent adhesion to Nylon, ABS, Polycarbonate and other plastics as well as a variety of different metals. The product can be cured in different mix ratios depending on the flexibility required in the final cured product. MT382 is self-levelling. Available in cream or black (please specify preference when ordering).	MT382 10 x 50ml cartridges + nozzles	Standard
			MT382 6 x 400ml cartridges + nozzles	Standard
MT3821 <i>Flexible</i>		PermaBond MT3821 is a 2:1, two-part, modified epoxy adhesive designed for sealing and bonding. It has excellent adhesion to Nylon, ABS, Polycarbonate and other plastics as well as a variety of different metals. When cured, this adhesive is soft and flexible.	MT3821 10 x 50ml cartridges + nozzles	Standard
			MT3821 6 x 400ml cartridges + nozzles	Standard
MT3286 <i>Thermal Conductivity</i>		PermaBond MT3826 two-part, modified epoxy adhesive designed for sealing/bonding and potting applications. It has excellent adhesion to Polycarbonate, ABS, Nylon and other plastics as well as a variety of different metals. The cured adhesive has been designed to meet the fire retardancy requirements of UL94 V-0.	MT3826 6 x 400ml cartridges + nozzles	Niche









Single-Part Epoxies

Grade		Information	Packaging	Notes
ES550 <i>Toughened</i>		PermaBond ES550 is a single-part epoxy paste which is slump-resistant (does not flow) during cure. The adhesive is toughened for maximum impact resistance, along with excellent peel and shear strength. ES550 is ideal for bonding a wide range of materials including metals, ferrites, ceramics and composites.	ES550 10 x 320ml cartridges	Standard
			ES550 Bulk available on request	Standard
ES558 <i>Toughened</i>		PermaBond ES558 is a single-part epoxy paste which flows like solder when heated during curing. The adhesive is toughened for maximum impact resistance, along with excellent peel and shear strength. ES558 is ideal for bonding a wide range of materials including metals, ferrites, ceramics and composites.	ES558 10 x 320ml cartridges	Standard
			ES558 Bulk available on request	Standard
ES560 <i>Low Viscosity</i>		PermaBond ES560 is a single-part epoxy adhesive which flows when heated. It is unfilled and self-levelling, making it particularly suitable for electronics potting and encapsulation applications, as well as underfilling and reworking microchips. It withstands thermal cycling and has excellent shock resistance.	ES560 5 x 200ml bottles	Niche
			ES560 Bulk available on request	Niche
ES562 <i>Low Viscosity</i>		PermaBond ES562 is a single-part epoxy adhesive which flows like solder when heated during curing. The adhesive has excellent adhesion to metal surfaces and composites. The high bond strength of this adhesive allows it to replace mechanical fastening, soldering or brazing. The adhesive's low viscosity is such that it self-levels.	ES562 5 x 200ml bottles	Standard
			ES562 Bulk available on request	Standard
ES566 <i>Lower Temp Cure</i>		PermaBond ES566 is a single-part epoxy adhesive which has excellent adhesion to metal surfaces, composites and difficult to bond plastics (such as Nylon, PBT etc.). The high bond strength of this adhesive allows it to replace mechanical fastening, soldering or brazing. It has a rapid cure - 25 minutes at 120°C and can be cured at temperatures as low as 90°C.	ES566 10 x 320ml cartridges	Niche
			ES566 Bulk available on request	Niche
ES568 <i>Ivory Colour</i>		PermaBond ES568 is a single-part heat cured epoxy adhesive with excellent adhesion to metal surfaces, ceramics as well as composite materials. It is a tough, multipurpose adhesive with excellent impact and vibration resistance.	ES566 10 x 320ml cartridges	Niche
			ES566 Bulk available on request	Niche
ES569 <i>Non-Sag</i>		PermaBond ES569 is a single-part heat cured epoxy adhesive with excellent adhesion to metal surfaces as well as composite materials. The high bond strength of this adhesive allows it to replace mechanical fastening, soldering, brazing or welding. This material requires heat in the range between 150°C and 200°C to cure it. ES569 has been designed to be non-sagging, allowing the product to be used in large gaps and on vertical surfaces.	ES569 10 x 320ml cartridges	Standard
			ES569 Bulk available on request	Standard
ES578 <i>Thermal Conductivity</i>		PermaBond ES578 is a single-part heat cured epoxy adhesive with excellent adhesion to metal surfaces, ceramics as well as composite materials. ES578 provides excellent thermal conductivity and bond strength. This material requires heat in the range between 150°C and 200°C to cure it. ES578 was designed for application requiring heat dissipation such as bonding aluminium heat sinks to ceramic headers.	ES578 10 x 320ml cartridges	Standard
			ES578 Bulk available on request	Standard









Single-Part Epoxies

Grade		Information	Packaging	Notes
ES579 <i>Thermal Conductivity</i>		Permabond ES579 is a single-part heat cured epoxy adhesive with excellent adhesion to metal surfaces, ceramics as well as composite materials. ES579 provides excellent thermal conductivity and bond strength, it is electrically non-conductive.	ES579 10 x 320ml cartridges	Niche
			ES579 Bulk available on request	Niche
ES5505 <i>High Temp 250°C</i>		Permabond ES5505 is a single-part, heat cured, metal filled paste adhesive with controlled flow characteristics at ambient and elevated temperatures. It has good impact and vibration resistance and can resist temperatures of over 250°C (480°F). ES5505 will bond a wide variety of materials and performance is usually limited by the strength of the adherends themselves.	ES5505 10 x 320ml cartridges	Niche
			ES5505 Bulk available on request	Niche
ES5681 <i>For Composites</i>		Permabond ES5681 is a single-part heat cured epoxy adhesive with excellent adhesion to metal surfaces, ceramics as well as composite materials. It is a tough, multipurpose adhesive with excellent impact and vibration resistance.	ES5681 10 x 320ml cartridges	Niche
			ES5681 Bulk available on request	Niche
ES5691 <i>Non-Sag</i>		Permabond ES5691 is a single-part heat cured epoxy adhesive with excellent adhesion to metal surfaces as well as composite materials. It is ideal for bonding electronic components as it has high wet strength and is non-stringing and produces an excellent drop profile as well as withstanding solder reflow processes. It also fluoresces under UV black light for easy in-line QC inspection.	ES5691 10 x 320ml cartridges	Niche
			ES5691 Bulk available on request	Niche
ES5722 <i>For Mesh Screens</i>		Permabond ES5722 is a single-part heat cured epoxy adhesive with excellent adhesion to metal surfaces as well as composite materials. The high bond strength of this adhesive allows it to replace mechanical fastening, soldering, brazing or welding. ES5722 has been designed to be non-sagging, allowing the product to be used in large gaps and on vertical surfaces. This product is particularly suited for the bonding of mesh screens.	ES5722 10 x 320ml cartridges	Niche
			ES5722 Bulk available on request	Niche
ES5741 <i>PBT Bonding</i>		Permabond ES5741 is a single-part heat cured epoxy adhesive with excellent adhesion to PBT, it has a low coefficient of thermal expansion, low exotherm and a low temperature heat cure.	ES5741 10 x 320ml cartridges	Niche Europe only
			ES5741 Bulk available on request	Niche Europe only
ES5744 <i>Fast Cure</i>		Permabond ES5744 is a fast curing, single part, heat cured adhesive with resistance to impact and peeling loads. The adhesive has excellent flow properties and adhesion to metal surfaces, plastics and composites. The high bond strength allows it to be used to replace mechanical fastening, soldering or brazing. Colour change occurs during curing.	ES5744 10 x 320ml cartridges	Niche
			ES5744 Bulk available on request	Niche
ES5748 <i>PBT Bonding</i>		Permabond ES5748 is a single-part epoxy adhesive which cures to form a high strength, rigid bond. It is suitable for bonding difficult plastics such as PBT and has a rapid low temperature heat cure. It is ideal for bonding automotive components such as sensor housings, pump housings etc.	ES5748 10 x 320ml cartridges	Niche
			ES5748 Bulk available on request	Niche









Structural Acrylics

Grade		Information	Packaging	Notes
TA430 <i>No-Mix</i>		PermaBond TA430 is a structural acrylic adhesive designed primarily for bonding metals, ferrites, ceramics and some thermoplastics. This adhesive may be used in a variety of structural bonding applications due to its versatile performance capabilities. TA430 provides high strength while maintaining excellent flexibility, resulting in tough, durable bonds with outstanding impact and peel resistance.	TA430 2 x 65ml kit (with 1 x 20ml Initiator 41 included)	Standard
			TA430 10 x 300ml cartridges (Order initiator 41 separately)	Standard
			TA430 Bulk available on request	Standard
TA435 <i>No-Mix</i>		PermaBond TA435 is a structural acrylic adhesive designed primarily for bonding metals, ferrites, ceramics and some thermoplastics. This adhesive may be used in a variety of structural bonding applications due to its versatile performance capabilities. TA435 provides high strength while maintaining excellent flexibility, resulting in tough, durable bonds with outstanding impact and peel resistance.	TA435 2 x 65ml kit (with 1 x 20ml Initiator 41 included)	Standard
			TA435 10 x 300ml cartridges (Order initiator 41 separately)	Standard
			TA435 Bulk available on request	Standard
TA436 <i>No-Mix</i>		PermaBond TA436 is a structural acrylic adhesive designed primarily for bonding metals, ferrites, ceramics and some thermoplastics. PermaBond TA436 is a no-mix system which obtains handling strength 1-3 minutes when the adhesive and the Initiator 43 come in contact. PermaBond TA436 offers high shear and impact resistant bonds and improved high temperature resistance.	TA436 10 x 300ml cartridges (Order initiator 43 separately)	Standard
			TA436 Bulk available on request	Standard
TA437 <i>High Temp</i> <i>200°C</i>		PermaBond TA437 is a single component structural acrylic adhesive designed primarily for bonding metals, ferrites and ceramics. The typical fixture time of TA437 when used with Initiator 41 is 30 – 45 seconds. The fast fixture time of TA437 makes it an ideal adhesive for high speed production lines. When the use of the activator is not desirable, the material can be used by itself but the fixture time will be 3-5 minutes.	TA437 2 x 65ml kit (with 1 x 20ml Initiator 41 included)	Standard
			TA437 10 x 300ml cartridges	Standard
TA439 <i>Non-Corro-sive</i>		PermaBond TA439 is a two component structural acrylic adhesive designed primarily for bonding metals, ferrites and ceramics. The typical fixture time of TA439 when used with Initiator 41 is 10-20 seconds. The fast fixture time of TA439 makes it an ideal adhesive for high speed production lines. TA439 is methacrylic acid free, this means it is suitable for use on sealed electric motors and will not cause corrosion to sensitive components.	TA439 10 x 50ml bottles (Order initiator 41 separately)	Standard
			TA439 10 x 250ml bottles (Order initiator 41 separately)	Standard
			TA439 bulk - Please order TA4391 instead	Standard
TA440 <i>1:1 Bead on Bead</i>		PermaBond TA440 is a two-component, no mix, toughened acrylic adhesive. It has a fixing time from 1 to 3 minutes and is suitable for bonding metals, ceramics, glass, wood and rigid plastics. It is highly resistant to impact, peel and shear stresses.	TA440 10 x 50ml bottles (5 x TA440A, 5 x TA440B)	Standard
			TA440 10 x 250ml bottles (5 x TA440A, 5 x TA440B)	Standard
			TA440 Bulk available on request	Standard
TA4391 <i>Non-Corro-sive</i>		PermaBond TA4391 is a two component structural acrylic adhesive designed primarily for bonding metals, ferrites, ceramics and some plastics. The typical fixture time of is 10-20 seconds. TA4391 is methacrylic acid free, this means it is suitable for use on sealed electric motors and will not cause corrosion to sensitive components.	TA4391 Bulk available on request	Niche
TA4392 <i>Thermal Conductivity</i>		PermaBond TA4392 is a two component structural acrylic adhesive with excellent thermal conductivity properties designed primarily for bonding heat sinks. The typical fixture time of is 10-30 seconds. The fast fixture time of TA4392 makes it an ideal adhesive for high speed production lines. This product provides high strength, tough, durable bonds with good impact resistance and performs well in drop tests.	TA4392 Bulk available on request	Niche









Structural Acrylics

Grade		Information	Packaging	Notes
Initiator for no-mix acrylic		Initiator 41: Use with TA430, TA435, TA437, TA439	Initiator 41 1 x 20ml with brush	Standard
			Initiator 41 1 x 1 litre	Standard
		Initiator 43: Use with TA436	Initiator 43 1 x 20ml with brush	Standard
			Initiator 43 1 x 1 litre	Standard
		Initiator 46: Use with TA4246	Initiator 46 1 x 35ml with brush	Standard
			Initiator 46 1 x 1 litre	Standard
TA4246 No-Mix MMA		PermaBond TA4246 is a 2-part, no-mix, room temperature curing structural adhesive. It is ideal for use on a wide variety of substrate materials and forms a very high strength structural bond with excellent environmental durability and chemical resistance. It has high peel strength and excellent impact resistance and can be used to replace rivets or welding to give a more lightweight, durable assembly. Use with Initiator 46.	TA4246 1 x 50ml kit with 10ml Initiator 46	Standard
			TA4246 1 x 65ml kit with 10 ml Initiator 46	Standard
			TA4246 10 x 300ml cartridges (order Initiator 46 separately)	Standard
			TA4246 Bulk available on request	Standard
TA4200 Gap Fill		PermaBond TA4200 is a 2-part, 1:1 toughened acrylic adhesive. Its toughening makes it ideal for bonding dissimilar materials where differential thermal expansion and contraction could be an issue. It cures rapidly at room temperature and has good gap filling properties. It is ideal for use on a variety of metals and gives particularly high bond strength on aluminium surfaces.	TA4200 10 x 50ml cartridges with nozzles	Standard
			TA4200 6 x 400ml cartridges with nozzles	Standard
			TA4200 A/B Bulk available on request	Standard
TA4202 Pink/Green		PermaBond TA4202 is a 2-part, 1:1 toughened acrylic adhesive. It can be used to bond a wide variety of materials including metals, plastics, GRP, ceramics, wood and other substrates. It is convenient to use in an easy-to-dispense cartridge or it can be used bead on bead without a mixing nozzle.	TA4202 15 x 25ml syringes	Standard
			TA4202 10 x 50ml cartridges with nozzles	Standard
			TA4202 6 x 400ml cartridges with nozzle4s	Standard
			TA4202 A/B Bulk available on request	Standard
TA4203 Slower Curing Than TA4202		PermaBond TA4203 is a 2-part, 1:1 toughened acrylic adhesive. It can be used to bond a wide variety of materials including metals, plastics, GRP, ceramics, wood and other substrates. It is convenient to use in an easy-to-dispense cartridge or it can be used bead on bead without a mixing nozzle.	TA4203 10 x 50ml cartridges with nozzles	Standard
			TA4203 6 x 400ml cartridges with nozzles	Standard
			TA4203 A/B Bulk available on request	Standard
TA4204 Crystal Clear		PermaBond TA4204 is a 2-part, 1:1 toughened acrylic adhesive. It can be used to bond a wide variety of materials including metals, plastics, GRP, ceramics, wood and other substrates. It is convenient to use in an easy-to-dispense cartridge or it can be used bead on bead without a mixing nozzle.	TA4204 15 x 25ml syringes	Standard
			TA4204 10 x 50ml cartridges with nozzles	Standard
			TA4204 6 x 400ml cartridges with nozzles	Standard
			TA4204 A/B Bulk available on request	Standard
TA4205 Slower Curing Than TA4204		PermaBond TA4205 is a 2-part, 1:1 toughened acrylic adhesive. It can be used to bond a wide variety of materials including metals, plastics, GRP, ceramics, wood and other substrates. It is convenient to use in an easy-to-dispense cartridge or it can be used bead on bead without a mixing nozzle.	TA4205 10 x 50ml cartridges with nozzles	Standard
			TA4205 6 x 400ml cartridges with nozzles	Standard
			TA4205 A/B Bulk available on request	Standard
TA4210 Slower Curing Than TA4200		PermaBond TA4210 is a 2-part, 1:1 toughened acrylic adhesive. Its toughening makes it ideal for bonding dissimilar materials where differential thermal expansion and contraction could be an issue. It is easy to use with a delayed initiation, allowing accurate alignment of components. The strength develops quickly allowing clamps to be removed and a quick turnaround time when used in a production situation.	TA4210 10 x 50ml cartridges with nozzles	Standard
			TA4210 6 x 400ml cartridges with nozzles	Standard
			TA4210 A/B Bulk available on request	Standard










Structural Acrylics, PUs & MS Polymers

Grade		Information	Packaging	Notes
TA4610 <i>PP/PE</i> <i>Bonder</i>		PermaBond TA4610 is a 2-part, 1:1 toughened acrylic adhesive. It has been developed to bond low surface energy plastics such as polypropylene and polyethylene – with no primer or surface treatment required. It can also be used to bond a wide variety of other materials such as metals and composite materials and is ideal for bonding dissimilar surfaces.	TA4610 10 x 50ml cartridges with nozzles	Standard
			TA4610 6 x 400ml cartridges with nozzles	Standard
			TA4610 A/B Bulk available on request	Standard
TA4620 <i>PP/PE</i> <i>Bonder</i>		PermaBond TA4620 is a 2-part, 1:1 toughened acrylic adhesive. It has been developed to bond low surface energy plastics such as polypropylene and polyethylene – with no primer or surface treatment required. It can also be used to bond a wide variety of other materials such as metals and composite materials and is ideal for bonding dissimilar surfaces.	TA4620 10 x 50ml cartridges with nozzles	Standard
			TA4620 6 x 400ml cartridges with nozzles	Standard
			TA4620 A/B Bulk available on request	Standard
PT321 <i>Rapid</i> <i>Polyurethane</i>		PermaBond PT321 is a 2-part, room temperature curing polyurethane adhesive. It is ideal for use on a wide variety of substrate materials including metals, plastics and composites. It is particularly suitable for bonding carbon fibre components, leather and other materials commonly used in automotive interiors where witness marks through thin substrate material need to be minimised.	PT321 25 x 50ml cartridges with nozzles	Standard
			PT321 A/B Bulk available on request	Standard
PT326 <i>Slower</i> <i>Version</i> <i>of PT321</i>		PermaBond PT326 is a 2-part, room temperature curing polyurethane adhesive. It is ideal for use on a wide variety of substrate materials including metals, plastics and composites. It has excellent environmental and chemical resistance.	PT326 25 x 50ml cartridges with nozzles	Standard
			PT326 6 x 400ml cartridges with nozzles	Standard
			PT326 A/B Bulk available on request	Standard
PT328 <i>Even</i> <i>Slower</i>		PermaBond PT328 is a 2-part, room temperature curing polyurethane adhesive. It is ideal for use on a wide variety of substrate materials including metals, plastics and composites. Its long pot life makes it suitable for covering large areas. It has excellent environmental and chemical resistance.	PT328 25 x 50ml cartridges with nozzles	Standard
			PT328 6 x 400ml cartridges with nozzles	Standard
			PT328 A/B Bulk available on request	Standard
MS359 <i>Grey</i>		PermaBond MS359 GREY is a single-part, room temperature curing MS polymer adhesive. It is ideal for use on a wide variety of substrate materials including metals, plastics and composites. It is ideal for exterior construction applications (e.g. frames and fascias) as it has excellent resistance to weathering.	MS359 GREY 24 x 290ml cartridges	Standard
MS359 <i>Clear</i>		PermaBond MS359 CLEAR is a single-part, room temperature curing MS polymer adhesive. It is ideal for use on a wide variety of substrate materials including metals, glass and composites. It is ideal for exterior construction applications as it has excellent resistance to weathering, is non-yellowing and produces a discreet, aesthetically pleasing bond.	MS359 CLEAR 24 x 290ml cartridges	Standard
MS359A <i>Grey,</i> <i>Self-</i> <i>Levelling</i>		PermaBond MS359A GREY is a single-part, room temperature curing MS polymer adhesive. It is ideal for use on a wide variety of substrate materials and is ideal for potting and sealing electronic components, sealing filters, and bonding large metal panels (such as transport containers, air conditioning ducts etc.).	MS359A GREY 24 x 290ml cartridges	Standard








UV Curable Adhesives

Grade		Information	Packaging	Notes
UV605 <i>Ultra-Low Viscosity</i>		PermaBond UV605 is a very low viscosity, high strength adhesive which cures on exposure to UV light. Its excellent optical clarity and resistance to yellowing make it ideal for bonding glass and crystal for a high quality finish. The low viscosity results in excellent capillary action making it suitable for application after the components have been assembled.	UV605 10 x 50ml bottles	Niche
			UV605 10 x 250ml bottles	Niche
			UV605 1 x 1 litre bottle	Please order in multiples of 10
UV610 <i>Glass/Metal</i>		PermaBond UV610 is a single-part, fast-setting, UV-cured adhesive designed specifically for the bonding of glass and metal. Its high strength makes it suitable for a wide variety of applications including glass furniture, where it is possible to create high-strength edge joints.	UV610 10 x 50ml bottles	Standard
			UV610 10 x 250ml bottles	Standard
			UV610 1 x 1 litre bottle	Please order in multiples of 10
			UV610 1 x 2 litre bottle	Please order in multiples of 6
UV612 <i>Bevel Bonder</i>		PermaBond UV612 is a high strength adhesive which cures on exposure to UV light. Its excellent optical clarity and resistance to yellowing make it ideal for bonding glass and crystal for a high quality finish. Its stability under ambient fluorescent lighting makes it suitable for use on glass bevels where some clean-up may be required after bonding.	UV612 10 x 50ml bottles	Niche
			UV612 10 x 250ml bottles	Niche
UV620 <i>Crystal Clear</i>		PermaBond UV620 is a rapid-curing, high-strength adhesive which cures on exposure to UV light. Its excellent optical clarity and resistance to yellowing make it ideal for bonding glass and crystal for a high quality finish. It can be used on applications such as glass furniture, decorative ornaments and other glass objects where high strength and appearance are vital.	UV620 10 x 50ml bottles	Standard
			UV620 10 x 250ml bottles	Standard
			UV620 1 x 1 litre bottle	Please order in multiples of 10
			UV620 1 x 2 litre bottle	Please order in multiples of 6
UV625 <i>Non-Drip Gel</i>		PermaBond UV625 is an UV-light curable adhesive for bonding and sealing glass and metal joints. It provides a very fast cure and the adhesive is tough and flexible and has excellent impact resistance. The gel-like viscosity and good depth of cure make it ideal for use on vertical surfaces or where large gaps are involved.	UV625 10 x 50ml tubes	Standard
			UV625 10 x 300ml cartridges	Standard
			UV625 1 x 1 litre bottle	Please order in multiples of 10
			UV625 1 x 2 litre bottle	Please order in multiples of 6
UV630 <i>Plastic Bonding</i>		PermaBond UV630 is a UV-curing adhesive suitable for use on glass and metal and, in particular, on plastics. It has a longer wavelength UV cure so can be used on UV-stabilised plastics. UV630 cures to give a colourless bond, so it is ideal for applications where aesthetic appearance is vital.	UV630 10 x 50ml bottles	Standard
			UV630 10 x 250ml bottles	Standard
			UV630 1 x 1 litre bottle	Please order in multiples of 10
			UV630 1 x 2 litre bottle	Please order in multiples of 6
UV632 <i>Plastic Bonding</i>		PermaBond UV632 is a UV-curing adhesive developed for use on plastics. It has superb adhesion to acrylic and contains a long-wavelength photo initiator to allow it to cure through UV-stabilised plastics. This adhesive can also be used to bond glass, metals and other materials. UV632 cures to give a colourless bond so is ideal for applications where aesthetic appearance is vitally important.	UV632 10 x 50ml bottles	Standard
			UV632 1 x 1 litre bottle	Please order in multiples of 10
UV640 <i>Plastic Bonding</i>		PermaBond UV640 is a UV-curing adhesive suitable for use on glass and metal and in particular, on plastics. It has a longer wavelength UV cure so can be used on UV-stabilised plastics. UV640 cures to give a colourless bond, so it is ideal for applications where aesthetic appearance is vital.	UV640 10 x 50ml bottles	Standard
			UV640 10 x 250ml bottles	Standard
			UV640 1 x 1 litre bottle	Please order in multiples of 10
			UV640 1 x 2 litre bottle	Please order in multiples of 6










UV Curable Adhesives

Grade		Information	Packaging	Notes
UV645 <i>Plastic Bonding</i>		PermaBond UV645 is a single part, fast curing, high viscosity UV curable adhesive designed specifically for bonding plastics. This material has excellent adhesion to a variety of plastics including polycarbonate as well as metals and glass. PermaBond UV645 has good depth of curing capabilities which make it suitable for use as a sealant.	UV645 10 x 50ml tubes	Standard
			UV645 10 x 250ml bottles	Standard
			UV645 1 x 2 litre bottle	Please order in multiples of 6
UV648 <i>Plastic Bonding</i>		PermaBond UV648 is a UV-curing adhesive developed for use on plastics. It has superb adhesion to acrylic and contains a long-wavelength photo initiator to allow it to cure through UV-stabilised plastics. This adhesive can also be used to bond glass, metals and other materials. UV648 cures to give a colourless bond so is ideal for applications where aesthetic appearance is vitally important.	UV648 10 x 50ml tubes	Standard
			UV648 10 x 300ml cartridges	Standard
			UV648 1 x 1 litre bottle	Please order in multiples of 10
UV649 <i>Plastic Bonding</i>		PermaBond UV649 is a single part, fast setting, and UV curable adhesive designed specifically for bonding plastics. This material has excellent adhesion to a variety of plastics including polycarbonate as well as metals and glass. PermaBond UV649 has good depth of curing capabilities which make it suitable for use as a sealant.	UV649 10 x 50ml tubes	Niche
			UV649 10 x 250ml bottles	Niche
			UV649 1 x 1 litre bottle	Please order in multiples of 10
UV681 <i>Tack-Free Coating</i>		PermaBond UV681 has been developed for use as a coating. It is ideal for coating electronics (such as conformal coating) to protect against environmental and vibrational damage. The optically clear / tack free formulation also makes this product particularly suitable for coating smart card microchips amongst various other applications.	UV681 10 x 50ml bottles	Niche
			UV681 10 x 250ml bottles	Niche
			UV681 1 x 1 litre bottle	Please order in multiples of 10
UV683 <i>Tack-Free</i>		PermaBond UV683 has been developed for use as a coating. It is ideal for coating and doming applications. The optically clear / tack free formulation also makes this product particularly suitable for coating smart card microchips amongst various other applications. UV683 is a higher viscosity version of UV681.	UV683 10 x 50ml bottles	Niche
			UV683 10 x 250ml bottles	Niche
			UV683 1 x 1 litre bottle	Please order in multiples of 10
UV685 <i>Tack-Free</i>		PermaBond UV685 has been developed for use as a coating. It is ideal for coating and doming applications. The optically clear / tack free formulation also makes this product particularly suitable for coating smart card microchips amongst various other applications. UV685 is a higher viscosity version of UV683	UV685 10 x 250ml bottles	Niche
			UV685 Bulk available on request	Niche
UV6160 <i>Crystal Clear</i>		PermaBond UV6160 is a single part, fast setting adhesive which cures rapidly on exposure to UV light. UV6160 has been specifically formulated to provide excellent optical clarity and enhanced transparency – even when used in thick layers, in compression or in a heavily loaded joint.	UV6160 10 x 50ml bottles	Standard
			UV6160 10 x 250ml bottles	Standard
			UV6160 Bulk available on request	Standard
UV6231 <i>Environmental Durability</i>		PermaBond UV6231 is a single part, fast curing, UV curable adhesive. Its excellent optical clarity and resistance to yellowing make it ideal for bonding glass and crystal for a high quality finish. It has excellent resistance to moisture and humidity making it ideal for bathroom-type applications (such as bathroom scales, shower doors etc.) and also outdoor applications where good resistance to weathering is essential.	UV6231 10 x 50ml bottles	Standard
			UV6231 10 x 250ml bottles	Standard
			UV6231 Bulk available on request	Standard
UV7141 <i>Dual Cure UV/AA</i>		PermaBond UV7141 is a UV-curable adhesive with a secondary anaerobic cure mechanism. This makes it ideal for bonding materials such as ceramic-coated glass, mirrors etc. where UV-light cannot penetrate to provide full cure in shadow areas. The UV cure tacks the components in place in seconds, reducing the need for jiggling. The bulk of the adhesive then cures more slowly to produce optimum performance.	UV7141 10 x 50ml bottles	Standard
			UV7141 4 x 250ml bottles	Standard
			UV7141 1 x 1 litre bottle	Please order in multiples of 10

Surface Cleaners, Primers & Activators

Grade		Information	Packaging	Notes
Cleaner A <i>Surface Cleaner</i>		Use PermaBond Cleaner A to remove grease and surface contamination to provide consistently good surfaces to bond to. Suitable for metals, glass, composites, ceramics and some plastics (check discreet area first).	Cleaner A 12 x 400ml aerosol spray	Standard
2-K Primer <i>Surface Pre-Treatment</i>		PermaBond 2-K primer is ideal for preparing metal, glass, plastic and composite materials ready for bonding with epoxy, acrylic or PU-based adhesives. It enhances long-term performance, particularly in harsh environmental conditions	2-K Primer A 20g + B 1g	Niche
			2-K Primer Bulk available on request	Niche
A905 <i>Anaerobic Activator</i>		PermaBond A905 is used in conjunction with PermaBond anaerobic adhesives and sealants. A905 is designed to allow non-metallic surfaces to be bonded/sealed. It also accelerates the cure rate of anaerobics and improves bonding to contaminated surfaces. It will also allow the adhesive to cure in a larger gap. PermaBond A905 can be supplied either as an aerosol spray, for ease of application or as a bulk liquid for use in high-volume applications.	A905 12 x 200ml aerosol spray	Standard
			A905 1 x 1 litre bulk	Standard
CSA <i>Cyano Activator</i>		PermaBond C Surface Activator (CSA) is used in conjunction with PermaBond cyanoacrylate adhesives to promote a faster cure and to extend their gap-filling capabilities. It also enables fillets of cured adhesive to be formed, if required, and can be used to reduce the effects of blooming, which can affect decorative surfaces. Use of CSA also facilitates the bonding of porous surfaces. PermaBond CSA can be supplied either as an aerosol spray, for ease of application or as a bulk liquid for use in high-volume applications.	CSA 12 x 200ml aerosol spray	Standard
			CSA 1 x 1 litre bulk	Standard
CSA-NF <i>Cyano Activator</i>		PermaBond CSA-NF is used in conjunction with PermaBond cyanoacrylate adhesives to promote a faster cure and to extend their gap-filling capabilities. It significantly reduces the whitening effect often associated with more active cyanoacrylates. It has been developed to be non-harmful and non-flammable making storage, shipment and use of the product less hazardous.	CSA-NF 6 x 150g pump spray	Standard
			CSA-NF 1 x 1 litre bottle	Standard
POP <i>Polyolefin Primer</i>		PermaBond Polyolefin Primer has been developed for surface treatment of polyolefins, PTFE and silicones prior to bonding with PermaBond cyanoacrylate adhesives. Due to their low surface energy, plastics such as PTFE, Polypropylene (PP), Polyethylene (PE) and silicones are difficult to bond without special surface treatment. After treatment with POP Primer, durable bonds, which are stronger than the substrate material, can be achieved.	POP 6 x 50ml bottles	Standard
			POP 1 x 500ml bottle	Standard
			POP 1 x 1 litre bottle	Standard
CA <i>Solvent 2 Cyano Remover</i>		PermaBond CA Solvent 2 is a blend of organic esters which can be used to remove cured cyanoacrylate adhesive from surfaces, clothing or to debond parts assembled with cyanoacrylate adhesives. It is non-flammable and non-hazardous.	CA Solvent 2 6 x 150g pump spray	Niche
			CA Solvent 1 x 1 litre bottle	Niche

Nozzles & Guns

Item		Information	Details	Order Code
50ml Handgun		Suitable for dispensing 50ml dual cartridges (1:1 and 2:1 ratio plunger). Suitable for 50ml epoxies, polyurethanes and structural acrylic adhesives.	1 x 50ml Handgun	Z0100-HANDGUN50MLDUALCART
200/400ml Handgun		Handgun for dispensing larger cartridges.	1:1 400ml gun	Contact Permabond
			2:1 400ml gun	
			1:1 200ml gun	
			2:1 200ml gun	
Gun Converter		Convert a regular caulking gun into a 50ml dual cartridge dispenser with this low cost plastic converter (caulking gun not included). Ideal for 2-part epoxies, polyurethanes and structural acrylic adhesives	1 x cartridge adaptor / gun converter	Contact Permabond
P-Nozzles		For accurate dispensing of cyanoacrylate adhesive.	P-Nozzles 100 x 0.5mm diam Cyanos	Z0000-PNOZZ0.5MM
			P-Nozzles 100 x 0.8mm diam Cyanos	Z0000*821800AJ03N
50ml TA Nozzles		Diameter: 5.3mm Elements: 16	MFH05-16T	MFH05-16TXPCK 10 x 50ml TA nozzles (short)
50ml 2:1 ET Nozzles		Diameter: 5.3mm Elements: 24 Length: 122mm Volume: 1.9ml	MBQ05-24T	Z025XEPXMBQ524 25 x 50ml 2:1/1:1 Epoxy nozzles (new)
				Z030XEPXMBQ524 30 x 50ml 2:1/1:1 Epoxy nozzles (new)
				MBQ05-24TX10NOZZLES 10 x 50ml 2:1/1:1 Epoxy nozzles (new)
50ml 1:1 ET, PT Nozzles		Diameter: 5.3mm Elements: 24 Length: 132mm Volume: 3.52ml	MFQ05-24T (MQ5-24)	Z0000-25XEPXNZ 25 x 50ml 1:1 Epoxy/PT nozzles (old)
				Z0000-NOZZLEEPOXYMIXINGX30 30 x 50ml 1:1 Epoxy/PT nozzles (old)
				MFQ05-24TX10NOZZLES 10 x 50ml 1:1 Epoxy/PT nozzles (old)
200/400ml ET, PT Nozzles		Diameter: 7.5mm Elements: 24 Length: 137mm Volume: 6.11ml	MFQ07-24	MFQ07-24X6NOZZLES 6 x 400ml Epoxy nozzles (short)
400ml TA Nozzles		Diameter: 8.7mm Elements: 24 Length: 155mm Volume: 8.69ml	MFQ08-24	MFQ08-24TXPCK 6 x 400ml TA nozzles
200/400ml ET Nozzles		Diameter: 10.7mm Elements: 24 Length: 181mm Volume: 14.75ml	MFQ10-24	MFQ10-24X6NOZZLES 6 x 400ml Epoxy nozzles (long)
400ml ET Nozzles		Diameter: 8.0mm Elements: 32 Length: 234mm Volume: 9.3ml	MFQ10-24	Contact Permabond if required



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