



Permabond MS-Polymers are single-part moisture cure “sealant”-type products. They cure slowly from the outside in to form tough, yet flexible, bonded joints. Products are available either as gap filling paste or lower viscosity self-levelling compounds suitable for potting or for bonding close-fitting substrate materials.

Substrates

Permabond MS-Polymers can be used to bond most materials including wood, metal, glass, plasterboard and a wide range of plastics. As they rely on moisture for the cure, cure speed will depend on humidity and moisture in the air and on the substrate surface.

Durability

MS Polymers have excellent resistance to harsh environmental conditions including cyclic temperature conditions and water submersion - in fact the adhesives strengthen in wet conditions. They work well on substrates where differential expansion and contraction could be an issue.

Applications

Ideal for use in the building construction industry, bathrooms and glazing. Permabond MS359 CLEAR offers an excellent aesthetic finish on glass.

Benefits

- Soft & flexible - impact and vibration resistant
- No requirement for weighing or mixing material
- Can be dispensed with low-cost caulking gun
- Do not contain silicone or isocyanates
- Can be painted
- Low shrinkage and does not leave witness marks
- Instant grab and fast skin-over time
- Excellent environmental resistance

2-Part Polyurethanes

Permabond 2-part polyurethane adhesives are fast-setting structural adhesives ideal for bonding a wide range of substrate materials, in particular composites and metal. They have high strength performance due to a toughened matrix and excellent temperature resistance and durability.

Substrates

Permabond 2-part PUs can be used to bond most materials including metal, composite materials, wood and a variety of different plastics.

Durability

Permabond 2-Part polyurethanes have a higher service temperature range than standard 2-Part epoxy adhesives and offer excellent environmental resistance.

Applications

Ideal for use on carbon fibre automotive parts, structural bonding applications, as well high speed production items such as electronic chip / component bonding or potting.

Benefits

- High peel strength and good impact resistance
- Easy 1:1 mix ratio
- Available in cartridges
- Rapid setting time
- High temperature resistance



Grade	Features	Colour	Viscosity (mPa.s)	Skin Over Time	Approximate Cure Rate	Tensile Strength (MPa)	Service Temperature (°C)
MS359 GREY	Single-part moisture curing low-modulus. Bonds most materials, ideal for building construction applications.	Grey	Non-sagging paste	10-20 mins	5mm every 24 hours	2-3	-40 to +100
MS359 CLEAR	Clear, transparent single part moisture curing sealant. Ideal for bonding glass, composite, metal, wood and plastics.	Transparent, colourless	Non-sagging paste	10-20 mins	4mm every 24 hours	0.7-1.5	-40 to +100
MS359A GREY	Self-levelling lower viscosity version of MS359 GREY	Grey	10,000-25,000	10-20 mins	3-4mm every 24 hours	0.5-1.5	-40 to +100

2-Part Polyurethanes

Grade	Features	Colour	Viscosity (mPa.s)	Max. Gap Fill (mm)	Pot Life	Shear Strength (MPa)	Service Temperature (°C)
PT321	Very rapid curing 1:1 PU. Ideal for bonding composites, metals, plastics and woods.	Grey	3500-7000 (mixed)	5.0	60-90 seconds	18-25	-40 to +120
PT326	Slower setting version	Grey	3500-7000 (mixed)	5.0	4-7 minutes	12-20	-40 to +120
PT328	Even slower setting version	Grey	3500-7000 (mixed)	5.0	15-20 minutes	12-18	-40 to +120

Other Products

Grade	Features
Permabond Cleaner A	General purpose surface cleaner
Permabond 2K Primer	Silane surface pretreatment
Isopropanol Wipes	Convenient sachet packaging
CA Solvent 2	For dissolving cured cyanoacrylate adhesive



PT326 for automotive carbon fibre bonding

Ihr Lieferant:

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