

ET539X Stainless Steel Bonding Epoxies

High performance stainless steel bonding epoxies from Permabond

Permabond® ET539X Series Features & Benefits:

- Ideal for bonding stainless steel to itself and a wide range of other materials
- Available in a range of cure speeds and level of toughening to suit application
- High shear strength, peel and impact resistance
- Ideal for bonding dissimilar materials where differential thermal expansion and contraction could be an issue - excellent resistance to thermal cycling
- Does not tarnish metal unlike welding
- Offers 100% seal against liquids and gases
- Products can be cured fully at room temperature or heated for a faster cure

Contain no solvents - their non-flammable formulations help workplace safety and minimise shipping hazards / associated costs.



Ideal for bonding:

- ABS
- Acrylic
- Aluminium
- Carbon Fibre
- Chrome
- Copper
- Ferrite
- Galvanised Zinc
- GRP
- Magnet
- Mild Steel
- Nylon*
- PTFE*
- Stainless Steel
- Tungsten
- Zinc

+Many more materials

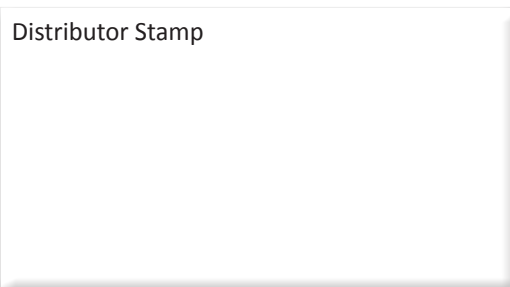
*Surface pre-treatment may be required.



Product Data

Grade Reference	ET5390	ET5392	ET5393
Key Feature	General purpose stainless steel bonder with long pot life.	Semi-toughened, high peel strength, long pot life.	Fully toughened, very high peel strength, rapid curing.
Mixed Appearance	Charcoal paste	Grey paste	Green
Mixed Viscosity @ 25°C	75,000 mPa.s Thixotropic	100,000 mPa.s Thixotropic	125,000 mPa.s
Maximum Gap Fill	3 mm	4 mm	2 mm
Usable / Pot Life	2-4 hours	2 hours	15-25 minutes
Shear Strength	17-22 MPa mild steel 17-26 MPa stainless steel	22-25 MPa mild steel 23-33 MPa stainless steel	18-23 MPa mild steel 16-26 MPa stainless steel
Peel Strength	-	100-110 N/25mm	180-230 N/25mm
Shore D Hardness	75-80	72-76	68-72
Service Temperature	-40 to +120°C	-55 to +120°C	-55 to +80°C
Packaging	10 x 50ml cartridges	10 x 50ml cartridges	10 x 50ml cartridges
	6 x 400ml cartridges	6 x 400ml cartridges	6 x 400ml cartridges
	1 x 5kg resin 1 x 5kg hardener	1 x 5kg resin 1 x 5kg hardener	1 x 5kg resin 1 x 5kg hardener
Storage	5 to 25°C	5 to 25°C	5 to 25°C

For full technical information, please refer to product data sheet



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