

Permabond has introduced a range of epoxy adhesives which have been formulated using FDA approved raw materials. These adhesives comply with CFR 175.105 and 175.300 and are ideal for bonding and sealing food contact equipment and appliances. 2-Part epoxy adhesives offer a quick and easy way of bonding a wide variety of substrates including, metals, composites, ceramics, and glass. They allow accurate alignment of parts and, if necessary, can be cured quickly by applying heat. They cure to form a high strength rigid solid which is non-porous and can be easily cleaned. They offer excellent resistance to water, food, cleaning fluids, and heat.

Technical Data	ET5145	ET5147
Temperature Range	-40 to +80 °C (-40 to +175 °F)	-40 to +120 °C (-40 to +250 °F)
Appearance	Off-white	Off-white
Mixed Viscosity	Thixotropic Paste	Thixotropic Paste
Mix Ratio	1:1	2:1
Maximum Gap Fill	2mm (0.08 in.)	2mm (0.08 in.)
Pot life @ 23°C	50 - 80 minutes	40 - 60 minutes
Time to Working Strength @ 23°C	16 hours	16 hours
Time to Working Strength @ 60°C	30 minutes	30 minutes
Shore D Hardness	80	70
Shear Strength (mild steel)	19-21 N/mm <sup>2</sup> (2800-3000 psi)	18-20 N/mm <sup>2</sup> (2600-2900 psi)
Peel Strength (aluminum)	30-50 N/25mm (7-11 PIW)	30-50 N/25mm (7-11 PIW)
Complies with CFR175.300 and CFR175.105	YES	YES

For full technical information, please refer to the TDS (Technical Data Sheet)

### Permabond® ET5145 & ET5147 Features & Benefits

- Room temperature cure or heat for a faster cure
- Excellent shock and impact resistance
- Good environmental durability
- Bond a wide variety of substrate materials
- Easy to apply from dual cartridge
- Gap filling products available
- High shear strength and high peel strength
- High level of toughening



Contact Permabond for information on other Food Grade Adhesives or to discuss custom formulation for your unique requirements.

[www.permabond.com](http://www.permabond.com)

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