

## FDA & EU FOOD SAFE ADHESIVE - ET5164

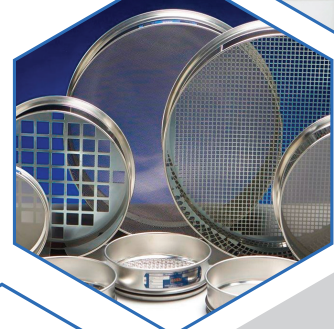


**Permabond ET5164 is a 1:1 mix ratio, two-part epoxy that is compliant with FDA 175.300 as well as EU 10/2011 regulations for food contact.**

Compliance with these regulations means that ET5164 only contains raw materials which have been listed permissible for adhesives coming into contact with foodstuffs. It is therefore ideal for bonding parts of machinery, equipment or utensils where food and drink products are made, served or dispensed.

Permabond ET5164 is lightly thixotropic, and has been designed to have optimum flow control for full penetration into and coverage of mesh (for example bonding mesh to frames for filters, sieves and strainers), while at the same time ensuring no mess from overflow. It has a long working life at room temperature, which allows for accurate alignment after the adhesive has been applied. It's ideal for bonding stainless steel, as well as other metals, ceramic materials, composites and some plastics.

The adhesive reaches full strength at room temperature in 24 hours, or can also be heat cured at 60°C for full strength in an hour. Multiple heat curing methods are possible, including oven curing, induction heating, and infrared heating over the production line.



### KEY FEATURES:

- ▶ Compliant to both FDA 175.300 & EU 10/2011 regulations
- ▶ Ideal for bonding stainless steel
- ▶ Optimum rheology for balanced flow control
- ▶ Long pot life at room temperature
- ▶ Room temperature cure possible
- ▶ Multiple heat-curing options
- ▶ Great water & chemical resistance
- ▶ Easy to dispense

### IDEAL FOR BONDING:

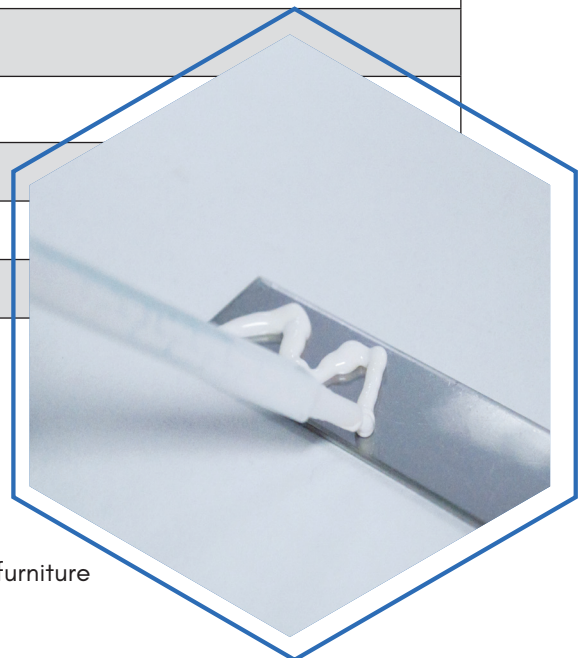
- Aluminum
- Ceramic
- Composites
- Mild Steel
- Plastics
- Stainless Steel
- *And many more*



**DESCRIPTION**

The following technical data for Permabond ET5164 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](http://www.permabond.com). Please contact Permabond to discuss your bonding project.

	ET5164
Description	Two-part, 1:1 mix ratio epoxy
Appearance	White
Features	Compliant to FDA 175.300 and EU 10/2011 food contact regulations
Viscosity	53,000 m.Pas (Thixo)
Gap fill	2mm (0.08 in)
Shear Strength	Stainless Steel: 17-23 N/mm (2465-3335 psi)
Working Strength	8 hours (23°C), 20 mins (60°C)
Full cure	24 hours (23°C), 1 hour (60°C)
Storage	Between 5 and 25°C
Packaging	10 x 50ml cartridges, 6 x 400ml cartridges



**TYPICAL APPLICATIONS:**

- ▶ Coffee Machines
- ▶ Conveyors
- ▶ Crockery
- ▶ Cutlery
- ▶ Filling & packaging equipment
- ▶ Filters
- ▶ Food Mixers
- ▶ Industrial kitchen equipment & furniture
- ▶ Sieves
- ▶ Strainers
- ▶ Tanks & vats
- ▶ Work surfaces

**Authorised distributor stamp:**



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KLEBEN VERBINDET |