

# Permabond®

## Food Grade Epoxies

ISO 9001:2008 Certified  
"Our Science ... Your Success"

Permabond's range of ET514X epoxy adhesives has been formulated with FDA listed materials and comply with:

- FDA 175.105 and 175.300
- EU 2002/72/EC and 1935/2004

These two-part epoxy adhesives cure at room temperature when mixed and bond a wide variety of substrate materials.

### Permabond® Food Grade Epoxy Features & Benefits

- High level of toughening - ideal for bonding dissimilar materials
- Easy 1:1 or 2:1 mix ratio - can be manually applied or used with automatic dispensing equipment
- Able to bond a wide variety of substrate materials
- Gap filling products available
- High shear strength and high peel strength
- Can be heated to accelerate cure speed

Free technical help and custom formulation development

#### Product Data

Grade	ET5143	ET5145	ET5147
Appearance	A: White B: Black Mixed: Grey	A: White B: Ivory Mixed: Off-white	A: White B: Ivory Mixed: Off-white
Viscosity @ 25°C	Thixotropic	Thixotropic	Thixotropic
Mix Ratio	1:1	1:1	2:1
Pot Life	60-80 min.	50-80 min.	40-60 min.
Handling Time	3-5 hrs.	3-5 hrs.	3-5 hrs.
Working Strength	@23°C: 16 hours @60°C: 30 minutes	@23°C: 16 hours @60°C: 30 minutes	@23°C: 16 hours @60°C: 30 minutes
Shear Strength (steel)	18-22 MPa	19-21 MPa	18-20 MPa
Service Temperature	-55 to +80°C	-55 to +80°C	-55 to +120°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 A or B	1 x 5kg A or B	1 x 5kg A or B
Storage	5-25°C	5-25°C	5-25°C

For full technical information, please refer to product data sheet

Ideal for bonding:

- ABS
- Acrylic
- Aluminium
- Ceramic & Stone
- Chrome
- Composite
- Glass
- Laminate
- Marble
- Nylon
- Polycarbonate
- Polystyrene
- PVC (Rigid)
- Stainless Steel
- Steel
- Zinc

+Many more materials



#### Ideal For:

- Bonding food processing machinery for use in food production lines
- Bonding filter end caps and other filter components
- Bonding mesh filter gauze and separating sieves
- Coffee machines, drinks and icecream dispensing machines
- Kitchenware, crockery, cutlery and kitchen fittings.

Permabond can custom formulate with FDA compliant raw materials to match your specific requirements.

Distributor Stamp

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Engineering Adhesives