

**TOUGHENED ACRYLIC  
STRUCTURAL ADHESIVE**

**Eurobond**  
ADHESIVES LIMITED

**Rapid Setting**

**No Premixing**

**Easy To Use**

**Flexible**

**Tough**

**Clean**



[www.eurobond-adhesives.co.uk](http://www.eurobond-adhesives.co.uk)



**PENLOC 1:1**

## Typical applications and material suitability

**Penloc** - Is a 2-component toughened acrylic adhesive designed to bond most metals, plastics, glass, composites, GRP, DiBond, Foamex, ceramics, stone and wood in any combination. Penloc can improve on mechanical fixing methods such as welding or riveting by eliminating distortion and surface blemishes and avoiding subsequent refinishing costs. Bonded parts should first be abraded with medium grit emery paper and cleaned with Isopropyl Alcohol. DO NOT use methylated spirit or white spirit as this will lead to bond degradation and subsequent failure.

### Typical Applications include:

Signmaking, Architectural Metalwork, Balustrades, Sheet Metal Work, Racking Systems, Vehicle/Train Bodies, Loudspeakers, Lift-Car & Escalator Construction, Shopfitting, Furniture, Plastic & Metal Fabrication.

**Material Suitability:** Steel, Powder Coated Steel, Aluminium, Copper, Stainless Steel, Brass, Chrome, Nickel, Zinc/Zintec, Styrol, Epoxy FRP, Phenol FRP, GRP, Composites, DiBond, Foamex, Polyester, Rigid PVC, ABS, Acrylic, Nylon, Wood/MDF, Glass, Stone, Cement/Plaster, Malamine, Corian, Alucobond, Stelvetite & Colorcoat. Penloc is not suitable for bonding Lead, Rubber, PTFE, Polyethylene, Polypropylene, Foams, Sponges, Expanded Plastics and some Galvanised finishes.

## Selecting the right Penloc product for your application

	<b>Penloc 1:1</b> <i>5 min cure Multi-substrate bonding adhesive</i>	<b>Penloc 1:1 R</b> <i>Non odour and non flammable</i>	<b>Penloc 1:1 RVT</b> <i>Thick, non odour and non flammable</i>	<b>Penloc 1:1 HP</b> <i>Suitable for powder coating after bonding</i>	<b>Penloc VT</b> <i>Very thick and long cure time</i>	<b>Penloc Solo</b> <i>24hr cure Moisture cure</i>
<b>Mix Ratio</b>	1:1	1:1	1:1	1:1	1:1	1-component
<b>Cure Time</b> Handling Strength Full Cure	5 mins 1 hour	5 mins 4 hours	5 mins 4 hours	5 mins 1 hour	10 mins 1 hour	30 mins 24 hours
<b>Temp Range</b>	-55 – +125°C	-20 – +120°C	-20 – +120°C	-55 – +180°C	-40 – +120°C	-20 – +150°C
<b>Cartridge Size ml</b>	12, 25, 50, 380	12, 25, 50, 380	50, 380	50, 380	50, 400	290
<b>Powder Coat Temp Max</b>	135°C	135°C	135°C	180°C	180°C	No
<b>Unique Feature</b>	Do not need a mixer nozzle for some applications. Can be applied bead on bead.	Non flammable and non odour. Ideal in poorly ventilated areas.	Very thick, non flammable and non odour.	Bonded assemblies can be powder coated. Can tolerate maximum oven temperature of 180°C	Very thick adhesive. Long cure time. 10-15 mins handling strength. Full cure in one hour.	Flexible, high strength, moisture resistance. Ideal for high humidity environments. 24hr cure.

12ml



25ml



50ml



380ml



400ml



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