



Plumbsol™ – Soft Soldering Alloy

Plumbsol™ is a 2.5% silver-tin soft soldering alloy. Like P40™ this alloy is lead free. Plumbsol™ has excellent soldering characteristics and offers a number of advantages over conventional tin-lead alloys. It provides improved strength characteristics particularly where service at moderately elevated temperatures is a factor.

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|----------------|-------------------------------|
| Composition: | 2.5% Ag, 97.5% Sn |
| Specification: | Johnson Matthey specification |
| Melting range: | 221-225°C |

Uses for This Product

Plumbsol™ may be used in the same types of applications as the more commonly specified P40™. For example it has been used in food handling equipment, in plumbing installations, for components carrying water and for stainless steel parts.

Conditions for Use

With the correct choice of flux this alloy will join copper and copper alloys, carbon steels and stainless steels. A suitable flux should be selected from the list below.

| Flux | Recommended for use on | Corrosive/ Non-corrosive | Working Range °C | Product Availability |
|----------------------|--|-----------------------------|---------------------|-------------------------|
| Soft Solder Flux 1S™ | Carbon steel / stainless steel | Corrosive | 350°C | 1 litre container |
| Soft Solder Flux 2S™ | Copper / brass | Non Corrosive | 350°C | 0.5 litre container |
| PA™ Soft Solder Flux | Copper / brass / carbon steel Stainless steel | Corrosive | 350°C | 1kg container |

Product Availability

| | |
|-------|--|
| Wire | 0.5mm to 3mm |
| Other | Rings, preformed shapes, soldering pastes on request |

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