



## P5™ – Soft Soldering Alloy

Johnson Matthey's P5™ is a 5% silver-tin soft soldering alloy. Like P40™ this alloy is lead free. P5™ 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. P5™ is a good colour match on stainless steel and the resulting joints are not prone to interfacial (crevice) corrosion.

Composition:	5% Ag, 95% Sn
Specification:	EN ISO 9453:2006 Alloy No. 704
Melting range:	221-235°C

### Uses for This Product

P5™ 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 No. 1S™	Carbon steel / stainless steel	Corrosive	350°C	1 litre container
Soft Solder Flux No. 2S™	Copper / brass	Non Corrosive	350°C	0.5 litre container
Soft Solder Flux No. 3S™	Copper / brass / carbon steel Stainless steel	Corrosive	350°C	1kg container

### Product Availability

Special order only

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