

TECHNICAL DATA SHEET

ECO - Lead-free Solder Alloy

Description

ECO is a high-quality and ecological lead-free soft solder alloy.

Application: developed for general hand and automated soldering applications, component attach and touch-up for surface mount technology for the electronics assembly industries where a low melting point alloy has been specified.

Available formats: flux-cored wire, solid wire, wave bar and rod.

Type of Alloys

Product Name	Alloy N° EN ISO 9453	Alloy Designation	Melting Temp °C
ECO 1	401	S-Sn99,3Cu0,7	220 eutectic
ECO 2	702	S-Sn97Ag3	221 eutectic
ECO 3	402	S-Sn97Cu3	230 eutectic
ECO 4	711	S-Sn96,5Ag3Cu0,5	217-220
ECO 5	501	S-Sn99Cu0,7Ag0,3	217-227
ECO 6	713	S-Sn95,5Ag3,8Cu0,7	217-226

Alloys compliant with the current regulation EN-ISO 9453: 2006 and RoHS directive.

Other alloys are available upon request.

Type of flux cores

Flux core	Classification & Compliance	Flux description & Properties
B2.2	1.1.3.B (EN-ISO 29454-1) ROMO (J-STD-004)	- Halide-free rosin for all electronic assembly applications. - Fast wetting and good spreading. - Minimal non-corrosive and clear post-soldering residues which can be safely left without the need to remove them.
B2.1	1.1.2.B (EN-ISO 29454-1) ROM1 (J-STD-004)	- Activated rosin (contains halides) for quick-spreading and difficult to solder surfaces to join copper, nickel, brass and bronze. Also suitable on robotic soldering, rework and repair applications. - Low post-soldering residues that are hard and which can be safely left without the need to remove them.
B1.2	1.2.3.B (EN-ISO 29454-1) REM0 (J-STD-004)	Halide-free resin. Good spread on copper, brass and nickel. Low spitting.
B1.1	1.2.2.B (EN-ISO 29454-1) REM1 (J-STD-004)	Activated resin (contains halides). Developed to cope with the higher process temperatures at lead-free soldering.

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Nº of flux cores: 4

Flux content: standard 2,5 weight %

Delivery form

Available diameters: from 0,35 mm.

Delivered in plastic reel of: 100gr x 30 units/carton | 250gr x 50 | 500gr x 24 | 1kg x 16 | 4 Kg.

Other formats may be available upon request.

Health and Safety: Before using the product, please read the material safety data sheet carefully and follow the safety precautions described.