



BROQUETAS

LA SOLDADURA SEGURA · THE RELIABLE SOLDER



ELECTRONIC SOLDERING MATERIALS

MANUFACTURERS SINCE 1930

FULLY COMMITTED TO QUALITY AND SERVICE EXCELLENCE

TIN/LEAD ELECTRONICS SOLDER WIRE BROFIL

In accordance with norm UNE-EN -ISO 9453:2015

BROFIL is a reliable and high-quality lead-containing flux-cored soft solder wire alloy.

APPLICATION: Developed for general hand and automated soldering applications, component insertion and touch-up for surface mount technology used in the electronics assembly industries where a low melting point alloy has been specified. Alloys compliant with the current regulation EN ISO 9453:2015, EN 61190-1-3:2007 and Flux compliant with standard EN-ISO 29454-1 / J-STD-004.

	Product name	Alloy composition %				EN-ISO 9453	Flux cores availability				Melting range °C Solidus-Liquidus
		Sn	Cu	Ag	Pb		Resin		Rosin		
							B.1.1 With halogens	B.1.2 Halogen free	B.2.1 With halogens	B.2.2 Halogen free	
Leaded alloys	Brofil 25	25			74&Sb1	136	✓	✓	✓	✓	185 - 263° C
	Brofil 30	30			70	116	✓	✓	✓	✓	183 - 255° C
	Brofil 40	40			60	114	✓	✓	✓	✓	183 - 238° C
	Brofil 50	50			50	111	✓	✓	✓	✓	183 - 215° C
	Brofil 60	60			40	103	✓	✓	✓	✓	183 - 190° C
	Brofil 63	63			37	102	✓	✓	✓	✓	183° C eutectic
	Brofil 80	80			20	-	✓	✓	✓	✓	-

REM1	REM0	ROM1	ROM0
Libre de colofonia			
Flux compatible EN-ISO 29454-1 / J-STD-004			
Flux compliant with EN ISO 29454-1 and J-STD-004			

* Sizes : From 0,5mm to 6mm.
Supplied on: Reels from 100g. to 4 Kg.

* Other alloys and fluxes are available upon request.

TIP CLEANER

Halogen-free medium for tip-activation of soldering irons

The TIP CLEANER (completely made of natural materials.), was developed to remove scaling and residues from soldering tips and irons. It is compared to other common tip cleaners, it is activated without halogen which enables good tinning results.



● Cared soldering tips last longer!



* All our products can be supplied with analysis or Certificate of Conformity.

LEAD-FREE ELECTRONICS SOLDER WIRE ECO

In accordance with norm UNE-EN -ISO 9453:2015 and RoHS directive

Our ECO product range (solid and flux cored wires) stands out for being of top quality and ecological friendly.

Applicaton: developed for general hand and automated soldering applicatons, component insertion and touch-up for surface mount technology for electronics assembly industries.

Alloys compliant with the current regulation EN ISO 9653:2015, EN 61190-1-3:2007 and RoHS directive. Flux compliant EN-ISO 29454-1 / J-STD-004.



	Product name	Alloy composition %				EN-ISO 9453	Flux cores availability				Melting range °C Solidus-Liquidus
		Sn	Cu	Ag	Pb		Resin		Rosin		
							B1.1 With halogens	B1.2 Halogen free	B2.1 With halogens	B2.2 Halogen free	
Lead-free alloys	ECO 1	99.3	0.7		Free	401	✓	✓	✓	✓	222° C eutectic
	ECO 2	97		3	Free	702	✓	✓	✓	✓	221 - 224° C
	ECO 3	97		3	Free	402	✓	✓	✓	✓	227 - 310° C
	ECO 4	96.5	0.5	3	Free	711	✓	✓	✓	✓	217 - 220° C
	ECO 5	99	0.7	0.3	Free	501	✓	✓	✓	✓	217 - 227° C
	ECO 6	95.5	0.7	3.8	Free	713	✓	✓	✓	✓	217 - 226° C
	ECO 7	96.3		3.7	Free	701	✓	✓	✓	✓	221 - 228° C
	Sn100	99.9			Free	—					

REM1 REM0 ROM1 ROM0

Free colophonia

Flux compatible EN-ISO 29454-1 / J-STD-004
Flux compliant with EN ISO 29454-1 and J-STD-004

* FDS & MSDS for each product are available upon request.

	Product name	Classification per		Description
		EN-ISO 29454-1	J-STD-004	
		Flux cores range		
Nº of cores & flux content 4 2.5%	B2.2	1.1.3.B	ROM0	<ul style="list-style-type: none"> 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	ROM1	<ul style="list-style-type: none"> 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	REM0	<ul style="list-style-type: none"> Halide-free resin. Good spread on cooper, brass and nickel. Low spitting.
	B1.1	1.2.2.B	REM1	<ul style="list-style-type: none"> Activated resin (contains halides). Developed to cope with the higher process temperatures at lead-free soldering.

* Other alloys and fluxes are available upon request.



FLUXES

In accordance with RoHS directive

We offers a wide range of fluxes. NO- Cleans, minimal residues, excellent activity and very good soldering properties. These fluxes are formulated to suit many different processes during the use of soldering in electronic and industrial applications. All our fluxes are compatible with RoHS directive and with lead-free alloys.

Product name		Wave soldering: spray fluxing	Wave soldering: foam fluxing	Hand soldering	Cable assembly cable tinning	Selective soldering	Cleaning media
Alcohol-based flux	B-002	Red		Red	Red	Red	
Water-based flux	B-004	Red		Red	Red	Red	
Fluxes for cable assembly	R-50			Red	Red		
	FERLIC			Red	Red		
Flux pastes	BRODELEC			Red	Red		
	NC-260/RF EO			Red	Red		
	GAX-50			Red	Red		
Flux dosing sticks	BRO-002B PEN			Red		Pink	
	BRO-004 PEN			Red		Pink	
Cleaners	BRO-004 SPRAY	LOW VOC					Red
	CLEANER SCALTTER SALT	FREE HALOGEN POWDER					Red
	TIP CLEANER	HALF BALL CLEANER					

- Red: Can be used without restrictions
- Pink: Usable after consultation
- Grey: Application not recommended
No application possible



Packaging flux pastes:
Gax-50: Syringe 5ml or 10ml.
NC-260/RF EO: Syringe 10ml.
Others: Plastic jar 100g or 250g.



Packaging flux:
Flux pen: Plastic sleeve with pressure metering system with 8 ml/10ml.
Liquid flux: Garrafa 5l. and 20l.

SOLDER PASTES

In accordance with RoHS directive

A complete range of solder pastes formulated to meet the critical demands of micro-electronics production and all printed circuit applications.

Product name		No clean	Halide free	Low Voiding	Type flux
Lead Free	BROPASTE Sn96.5Cu0.5Ag3	Red	Red	Red	ROL1/ROL0/ORH0
	BROPASTE Sn99Cu0.7Ag0.3	Red	Red	Red	ROL1/ROL0
Tin Lead	BROPASTE 62.36.2	Red	Red	Red	ROL1/ORM1
	BROPASTE 63.37	Red	Red	Red	ROL1/ORM1

Packaging:
Syringe 30g, 100g and 150g.
Plastic jar 250 and 500g.
Small cartridges 600g.
Large cartridges 1200g.



APPLICATIONS:

Universal SMD Solder Pastes. Wide Range of Applications and PCB designs.

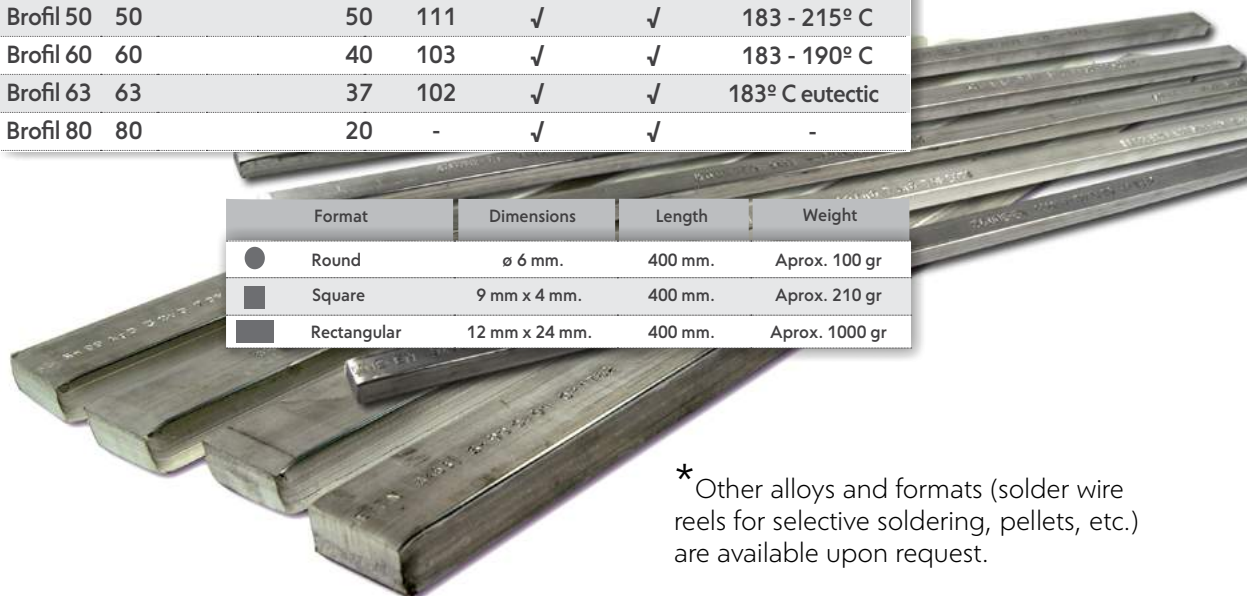
ELECTRONIC BARS ECO & BROFIL

In accordance with norm UNE-EN -ISO 9453:2015 and RoHS directive

ECO Lead-Free and BROFIL Tin/Lead bars are for wave and dip soldering electronics assembly processes.

ECO & BROFIL alloys are produced from high purity raw materials and following a special manufacturing process that ensures minimal impurity levels and solder defects on the finished products. This results in less dross formation and rework, longer useful life of the solder bath and thus leads to a higher productivity in the printed circuit board assembly.

	Product name	Alloy composition %				EN-ISO 9453	Availability		Melting range °C Solidus-Liquidus
		Sn	Cu	Ag	Pb		Bar & Stick	Solid wire	
Lead-free alloys	ECO 1	99.3	0.7		Free	401	✓	✓	222° C eutectic
	ECO 2	97		3	Free	702	✓	✓	221 - 224° C
	ECO 3	97	3		Free	402	✓	✓	227 - 310° C
	ECO 4	96.5	0.5	3	Free	711	✓	✓	217 - 220° C
	ECO 5	99	0.7	0.3	Free	501	✓	✓	217 - 227° C
	ECO 6	95.5	0.7	3.8	Free	713	✓	✓	217 - 226° C
	ECO 7	96.3		3.7	Free	701	✓	✓	221 - 228° C
	Sn100	99.9			Free	-	✓		232 - mp ^b ° C
Leaded alloys	Brofil 25	25			74&Sb1	136	✓	✓	185 - 263° C
	Brofil 30	30			70	116	✓	✓	183 - 255° C
	Brofil 40	40			60	114	✓	✓	183 - 238° C
	Brofil 50	50			50	111	✓	✓	183 - 215° C
	Brofil 60	60			40	103	✓	✓	183 - 190° C
	Brofil 63	63			37	102	✓	✓	183° C eutectic
	Brofil 80	80			20	-	✓	✓	-



Format	Dimensions	Length	Weight
● Round	ø 6 mm.	400 mm.	Aprox. 100 gr
■ Square	9 mm x 4 mm.	400 mm.	Aprox. 210 gr
■ Rectangular	12 mm x 24 mm.	400 mm.	Aprox. 1000 gr

* Other alloys and formats (solder wire reels for selective soldering, pellets, etc.) are available upon request.

CLEANER- HALOGEN FREE SCATTER SALT

This product is special for cleaning the layer of metallic oxides created on tin bath surface. By using our halogen-free scatter salt, most of the metallic components in the dross will be dissolved and therefore can be returned to the process.

- Perfect results
- Halogen free
- Strong cleaning power

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