



MATERIALES PARA SOLDADURA · SOLDERING MATERIALS
FABRICANTES DESDE 1930 · MANUFACTURERS SINCE 1930



- BROQUETAS S.L. is a family business, founded in 1930, and devoted to the manufacture of soft soldering alloys. Our company's priority is to satisfy our customer's needs, by a continuous research to improve our products and settling strict quality controls.

An expertise longer than 80 years in soldering and exhaustive quality controls allows us to make our product with the best quality and a competitive price. We take care even of the smallest detail in our manufacture procedures and products.

This is the reason why we have built loyalties with our customers and a good market share in domestic market and international. In the last few years our output growth has been sustained by an important investment in industrial equipment.

Nowadays we have two automatic production lines with oven, strainer, shear, presser and wire drawing machine. This renovation allows being present in the domestic market and extending commercial lines to other countries.

- Totally engaged with quality and excellent service.

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ISO 9001: 2008 quality approved company by AENOR



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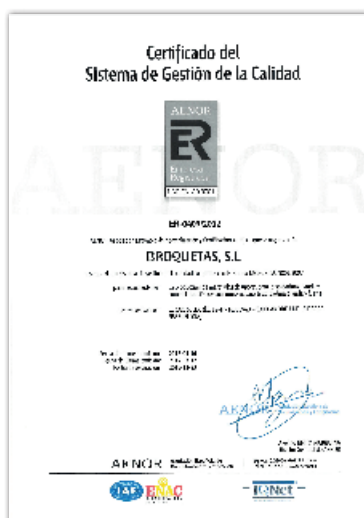
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Totally engaged with quality and excellent service.



BROQUETAS SL has as a main goal his customers' satisfaction offering a good quality product and service, in a constant improvement. This is the reason why it assumes the following quality principles:

- BROQUETAS SL organisation focuses all its activity to satisfy his customers' needs, in accordance to laws and regulations concerned. As a result, it settles different tools for the constant evaluation of its costumer's satisfaction.
- BROQUETAS SL managers promote the application of Quality management systems ISO 9001:2008 (Certified by AENOR) to settle their engagement and responsible management in order to guarantee their quality aims.
- BROQUETAS SL manages its activity and resources to carry out, focusing on procedures to reach their aims efficiently.
- Quality is a common aim in all company areas and everyone needs to consider himself as a customer and supplier of the rest departments.
- Company management considers all staff implication as the clue for the quality project, so they promote continuous training and group motivation in its human resources.
- BROQUETAS takes its decisions and acts considering data analysis. Continuous improving constitutes a main goal for the organisation



Fields of application:



Drinking water



Electric



Cooling



Plumbing



Gas



Electronics



Air conditioning



Renewable



Heating



Lead free



Cadmium free

BROFIL Plumbing Reel with AENOR

In accordance with EN ISO 9453. RoHS-compliant

LEAD-FREE alloy suitable for soft soldering of copper pipes for drinking water, heating systems and gas, using copper or brass end-feed fittings and low pressure gas. High fluidity and excellent wetting, it offers a quicker soldering and a high mechanical strength.



FORMAT
DIAMETER Ø
PACKAGING

Plastic reel
Standard Ø 2 mm, 2.5 mm and 3 mm. From Ø 0.5 mm to 6 mm upon request
100gr: 30un/box; 250gr: 50un/box; 500gr: 20un/box ; 1Kg: 16un/box; 2Kg and 4Kg: upon request.



BROFIL SnAg3

ART. NUMBER B03MAC-09200-2A102
ALLOY S-Sn97Ag3
CERTIFIED EN ISO 9453. Alloy 702
MELT. RANGE 221-224°C



BROFIL SnAg4

ART. NUMBER B04MAC-09200-2R102
ALLOY S-Sn96Ag4
CERTIFIED EN ISO 9453. Aleación 703
MELT. RANGE 221°C eutectic



BROFIL SnAg5

ART. NUMBER B05MAC-09200-2B102
ALLOY S-Sn97Ag5
CERTIFIED EN ISO 9453. Alloy 704
MELT. RANGE 221-240°C eutectic



BROFIL SnCu3

ART. NUMBER B13MAC-09200-2V102
ALLOY S-Sn97Cu3
CERTIFIED EN ISO 9453. Alloy 402
MELT. RANGE 227-310°C



BROFIL Plumbing wire

Norm: non applicable. RoHS-compliant.

LEAD-FREE alloy specially suitable for soft soldering copper pipes for drinking water, heating systems and gas using copper or brass end-feed fittings. High fluidity and excellent wetting, it offers a quicker soldering and a high mechanical strength.

FORMAT
DIAMETER Ø
PACKAGING

Plastic reel
Standard Ø 2 mm, 2.5 mm and 3 mm. From Ø 0.5 mm to 6 mm upon request
100gr: 30un/box; 250gr: 50un/box; 500gr: 20un/box ; 1Kg: 16un/box; 2Kg and 4Kg: upon request.



BROFIL SnAg6

ART. NUMBER B06MAC-07200-2N101
ALLOY S-Sn94Ag6
CERTIFIED Non applicable
MELT. RANGE 221-240°C



BROFIL SnAg8

ART. NUMBER B07MAC-07200-2N101
ALLOY S-Sn94Ag8
CERTIFIED Non applicable
MELT. RANGE 221-240°C



BROFIL SnCu1

ART. NUMBER B12MAC-09300-2V101
ALLOY S-Sn99Cu1
CERTIFIED EN ISO 9453. Alloy 401
MELT. RANGE 227°C eutectic



BROFIL Wires Sn/Pb

In accordance EN ISO 9453. RoHS non-compliant.

Alloy specially suitable for lead pipes repairs as well as lead, zinc and copper plate soldering; suitable for all those soldering needing a low melting point material.

FORMAT
DIAMETER Ø
PACKAGING

Plastic reel
Standard Ø 2 mm, 2.5 mm and 3 mm. From Ø 0.5 mm to 6 mm upon request
100gr: 30un/box; 250gr: 50un/box; 500gr: 20un/box ; 1Kg: 16un/box; 2Kg and 4Kg: upon request..



BROFIL 25
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B15MAC-09200-2N004
S-Sn25Pb74Sb1
UNE-EN 9453 Alloy 136
185-263°C



BROFIL 30
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B17MAC-09200-2N004
S-Sn30Pb70
UNE-EN 9453 Alloy 116
183-255°C



BROFIL 40
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B19MAC-09200-2N004
S-Sn40Pb60
UNE-EN 9453 Alloy 114
183-238°C



BROFIL 50
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B20MAC-09200-2N004
S-Sn50Pb50
UNE-EN 9453 Alloy 111
183-215°C



BROFIL 60
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B21MAC-09200-2N004
S-Sn60Pb40
UNE-EN 9453 Alloy 103
183-190°C



BROFIL 63
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B22MAC-09200-2N004
S-Sn63Pb37
UNE-EN 9453 Alloy 102
183°C eutectic



OTHER FORMATS



■ It can also be provided in this format for any of the alloys appearing in this catalogue

FORMAT
DIAMETER Ø
PACKAGING

"Plug & plug", in plastic.
From Ø 0.8mm, 1mm, 1,2mm, 1,5mm to 2 mm
60 units/box

BROFIL Bars Sn/Pb

In accordance with EN ISO 9453.

Alloy specially suitable to repair lead pipes and soldering lead, zinc and copper plates, suitable for all those soldering needing a low melting point material.

FORMAT
DIAMETER ø
PACKAGING

Rods / Bars
Rods: round 6x400mm / Square 4x9x400mm
Bars: Rectangular 12 x 25 x 400 mm
Round rods: 5 Kg/box
Squared rods: 15 Kg/box
Rectangular bars: 20 Kg / 25 Kg a box



BROFIL 25
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B15MAC-00600-00016
S-Sn25Pb75
EN ISO 9453. Alloy 136
183-255°C



BROFIL 30
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B17MAC-00600-00016
S-Sn30Pb70
EN ISO 9453. Alloy 116
183-255°C



BROFIL 40
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B19MAC-00600-00016
S-Sn40Pb60
EN ISO 9453. Alloy 114
183-238°C



BROFIL 50
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B20MAC-00600-00016
S-Sn50Pb50
EN ISO 9453. Alloy 111
183-215°C



BROFIL 60
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B21MAC-00600-00116
S-Sn60Pb40
EN ISO 9453. Alloy 103
EN 61190-1-3
183-190°C



BROFIL 63
ART. NUMBER
ALLOY
CERTIFIED
MELT. RANGE

B22MAC-00600-00116
S-Sn63Pb37
EN ISO 9453. Alloy 103
EN 61190-1-3
183°C eutectic



OTHER FORMATS



■ All alloys can be provided in this format upon request.

FORMAT
PACKAGING

Round rods Ø4x400mm or Ø6x400mm
In bundles of 20Kg or 25Kg.

Plumbing fluxes and solder pastes

BROCLEAN UNE.EN ISO 29454-1 3.1.1.C

This product avoids rust formation during drying of plaster moulds while heating, therefore the surface remains clean during the whole soldering procedure. Extend in old metal, no need of previous cleaning, with brush. Waste need to be removed. Water soluble.

FORMAT	Plastic jar with brush in the cap	SMELL	None
PACKAGING	125gr 90 units/box	PH	$\frac{3}{4}$
COLOUR	Yellow	WEIGHT	0,7 Kg./dcmc



BROCLEAN	
ART. NUMBER	B7300-02000-00100
COMPOSITION	Zinc chloride 25-50% Ammonium chloride 2.5-20%
CERTIFIED	UNE.EN ISO 29454-1 3.1.1.C
DESCRIPTION	LEAD-FREE gel flux



BROFLUX UNE.EN ISO 29454-1 2.1.3C

Ecologic soldering flux paste and zinc chloride free. Non corrosive, non-irritative, non-acid (ph7), non-toxic and water soluble. It is recommended for soft soldering in copper pipes systems for drinking water, heating, air conditioning, hydrosanitary connections and other kind of pipes.

FORMAT	Plastic jar with brush in the cap
WEIGHT	113gr or 453gr
PACKAGING	113gr: 90units/box; 453gr: 12uni/box



BROFLUX	
ART. NUMBER	B72000-01000-00100
COMPOSITION	Flux: 2.1.3.C
CERTIFIED	UNE.EN ISO 29454-12.1.3C
DESCRIPTION	ZINC CHLORIDE FREE soldering flux paste



BROSTEARIN UNE.EN ISO 29454-1 2.2.1.B

Flux for soft soldering in lead pipe systems and tinsmith's workshop.

FORMAT	Round bars +/-200g
PACKAGING	25 units of 5 kg/box



BROSTEARIN	
ART. NUMBER.	B70000-15000-00100
COMPOSITION	C17H35COONa (Stearin) 100%
CERTIFIED	UNE EN ISO 29454-1 2.2.1B



BROPASTE Ag UNE EN ISO 9453 N°702 UNE EN ISO 9454-1 3.1.1.C

Paste containing Ag minimum 60% for copper pipes soft soldering in drinking water systems. High filling level in the soldering space, and a better resistance.

FORMAT	Jar with brush in the cap
WEIGHT	100 gr, 250 gr or 500 gr
PACKAGING	32 un/box



BROPASTE Ag

ART. NUMBER. B77000-09000-00100

COMPOSITION Sn97Ag3
Flux: 3.1.1.C

CERTIFIED UNE. EN ISO 9453 N°702 / UNE. EN ISO 9454-1 3.1.1.C

DESCRIPTION **LEAD-FREE** soft soldering paste. To be used in combination with our: lead-free soft solder wires BROFIL.



BROPASTE Cu UNE EN ISO 9453 N°402 UNE EN ISO 9454-1 3.1.1.C

Paste containing Cu minimum 60% for copper pipes soft soldering in drinking water systems and heating. High filling level in the soldering space and a better resistance.

FORMAT	Jar with brush
WEIGHT	100 gr, 250 gr or 500 gr
PACKAGING	100 gr: 32 un/box; 250 gr: 24 un/box



BROPASTE Cu

ART. NUMBER. B76000-09000-00100

COMPOSITION S-Sn97Cu3
Flux: 3.1.1.C

CERTIFIED UNE. EN ISO 9453 N°402 / UNE. EN ISO 9454-1 3.1.1.C

DESCRIPTION **LEAD-FREE** Cu soft soldering paste. To be used in combination with our: lead-free soft solder wires BROFIL.



BROPOLS

De-oxidant powder fluxing material for soldering with silver bar. To prepare and clean the parts to be mechanically soldered, with a brush or metallic scrubber, or chemically with chemical products made of acids or products reacting to rust in metals, removing the same from the surface.

FORMAT	Plastic jar
PACKAGING	100gr, 250gr, 500gr or 1Kg
COLOUR	White
ACTIVITY RANGE	400-780°C

SMELL	None
PH	8
WEIGHT	0,7Kg/dcmc/Kg
OPERATION RANGE	500-800°C



BROPOLS

ART. NUMBER B75000-09000-00100

COMPOSITION Boric acid >> 50 %
Dichloride potassium >> 40 %
Potassium Hydrate >> 10 %

CERTIFIED EN 1045-FH10

DESCRIPTION De-oxidant powder fluxing material for soldering with silver bar.



BROWOOL

Steelwool with sharp filaments. It is a very mouldable material, allowing adapting its shape to specific needs in any application. Due to its mass density, it is the best abrasive material in order to work with wood and metal surfaces. According to his properties, this steelwool has different application in construction, automotive, cleaning and environmental sector.

FORMAT	ø40x 60mm wool
PACKAGING	10 un/bag



BROWOOL	
ART. NUMBER	B80000-00000-00000
COMPOSITION	Steel thread Very fine grade 00 # Lower limit: 0,03 Upper limit: 0,04
CERTIFIED	Non applicable
DESCRIPTION	Steelwool for soldering works.



BROMAT

Flexible and smooth cloth made of glass fibre and polinitroacrylic fibres. Both sides can be used. Because of his great flexibility and reduced thickness can be adapted to any surface or corner between the slice to be heated and the surface to be protected, the smallest it may be. Does not contain asbestos.

FORMAT	Mat	MELTING POINT	Higher than 1600oC	FLASH POINT	None
PACKAGING	Embalaje plástico unitario	PH	9 to 9,5	THICKNESS	3m/m
COLOUR	Black	WEIGHT	1680gr/m²	BREAKING STRENGHT	Deformation 161 N Distension 143N



BROMAT	
ART. NUMBER	B81000-00000-00100
COMPOSITION	Core: woven glass fibre fabrics, Cover: asbestos-free polinitroacrylic fibres
CERTIFIED	UNE. EN ISO 29454-12.1.3C
DESCRIPTION	Glass fibre mat for soldering works.



Copper phosphorus silver bars for brazing

In accordance with norm UNE-EN ISO 17672:2010

Suitable to bond copper to copper, brass, bronze, nickel, nickel alloys, non-ferrous metals and alloys containing nickel. Due to use of phosphorus in the alloy, it does not contain flux coating. Mainly used for HVAC-R, heating, cooling and gas facilities. We recommend to use it with BROPOLS de-oxidant for copper-brass and copper-bronze connections.

FORMAT	Rods
DIAMETER \varnothing	\varnothing 1,5mm x 500mm and \varnothing 2mm x 500mm
PACKAGING	1kg, 200gr and 5 rods/ plastic bag

BRO CuP2Ag

ART. NUMBER	B53MAC-15200-00116
ALLOY	Cu91.5Ag2.2P6.3
CERTIFIED	UNE-EN 17672 Alloy CuP279
MELT. RANGE	645-825°C
DESCRIPTION	Copper phosphorus silver bar for brazing.



BRO CuP5Ag

ART. NUMBER	B54MAC-15200-00116
ALLOY	Cu89Ag5P6
CERTIFIED	UNE-EN 17672 Alloy CuP281
MELT. RANGE	645-815°C
DESCRIPTION	Copper phosphorus silver bar for brazing.



BRO CuP6

ART. NUMBER	B50MAC-15200-00116
ALLOY	Cu94P6
CERTIFIED	UNE-EN 17672 Alloy Cu179
MELT. RANGE	710-890°C
DESCRIPTION	Copper phosphorus silver bar for brazing.



BRO CuP7

ART. NUMBER	B51MAC-15200-00116
ALLOY	Cu93P7
CERTIFIED	UNE-EN 17672 Alloy CuP180
MELT. RANGE	710-890°C
DESCRIPTION	Copper phosphorus silver bar for brazing.



BRO CuP8

ART. NUMBER	B52MAC-15200-00116
ALLOY	Cu92P8
CERTIFIED	UNE-EN 17672 Alloy CuP182
MELT. RANGE	710-770°C
DESCRIPTION	Copper phosphorus silver bar for brazing.



Copper silver bare bars for brazing

In accordance with norm UNE-EN ISO 17672:2010

Suitable for any industrial fields in which high quality bonds -copper to copper, tin, bronze, nickel and any kind of steel- are needed. All those alloys can not be used in aluminium. Mainly used for HVAC-R, heating, cooling and gas facilities. Recommended flux: BRO-POLS.

FORMAT	Rods
DIAMETER Ø	Ø 1,5mm x 500mm and Ø 2mm x 500mm
PACKAGING	1kg, 200gr and 5 rods/plastic bag



BRO Cu20Ag

ART. NUMBER	B56MAC-15200-00116
ALLOY	Ag20Cu44Zn36
CERTIFIED	EN-ISO 1044 Alloy Ag206
MELT. RANGE	690-810°C
DESCRIPTION	Copper phosphorus silver bar for brazing. CADMIUM-FREE.



BRO Cu25Ag

ART. NUMBER	B57MAC-15150-00116
ALLOY	Ag25Cu40Zn35
CERTIFIED	UNE-EN 17672 Alloy Ag125
MELT. RANGE	680-795°C
DESCRIPTION	Copper phosphorus silver bar for brazing. CADMIUM-FREE.



BRO Cu30Ag

ART. NUMBER	B58MAC-15200-00116
ALLOY	Ag30Cu36Zn34
CERTIFIED	UNE-EN 17672 Alloy Ag130
MELT. RANGE	665-755°C
DESCRIPTION	Copper phosphorus silver bar for brazing. CADMIUM-FREE.



BRO Cu40Ag

ART. NUMBER	B60MAC-15200-00116
ALLOY	Ag40Cu30Zn30
CERTIFIED	UNE-EN 17672 Alloy Ag140
MELT. RANGE	640-700°C
DESCRIPTION	Copper phosphorus silver bar for brazing. CADMIUM-FREE.



OTHER FORMATS

- These alloys can also be provided in other formats: reels or spooled (depending on the diameter)
- It can also be provided in solder rings.



Coated copper silver bars for brazing

In accordance with norm UNE-EN ISO 17672:2010

Suitable for any industrial fields in which high quality bonds -copper to copper, tin, bronze, nickel and any kind of steel- are needed. Those alloys must not be used in aquariums. Mainly used for HVAC-R, heating and cooling. De-oxydant flux is incorporated on the rods.

FORMAT	Rods
DIAMETER \varnothing	\varnothing 1,5mm x 500mm and \varnothing 2mm x 500mm
PACKAGING	1kg, 200gr and 5 rods

BRO Cu20Ag Coated

ART. NUMBER	B56RCB-15200-00116
ALLOY	Ag20Cu44Zn36
COATED	BF4K 10-50 % / BH303 <5,5% /FK 0,1-5 %
CERTIFIED	UNE-EN 1044 Alloy Ag206. DIN EN 1045 FL10
MELT. RANGE	605-765°C
DESCRIPTION	Copper silver bar with flux material for brazing. CADMIUM-FREE.



BRO Cu25Ag Coated

ART. NUMBER	B57RCB-15150-00116
ALLOY	Ag25Cu40Zn35
COATED	BF4K 10-50 % / BH303 <5,5% /FK 0,1-5 %
CERTIFIED	UNE-EN 17672 Alloy Ag125. DIN EN 1045 FL10
MELT. RANGE	680-760°C
DESCRIPTION	Copper silver bar with flux material for brazing. CADMIUM-FREE.



BRO Cu30Ag Coated

ART. NUMBER	B58RCB-15150-00116
ALLOY	Ag30Cu36Zn34
COATED	BF4K 10-50 % / BH303 <5,5% /FK 0,1-5 %
CERTIFIED	UNE-EN 17672 Alloy Ag130. DIN EN 1045 FL10
MELT. RANGE	665-755°C
DESCRIPTION	Copper silver bar with flux material for brazing. CADMIUM-FREE.



BRO Cu40Ag Coated

ART. NUMBER	B60RCB-15150-00116
ALLOY	Ag40Cu30Zn30
COATED	BF4K 10-50 % / BH303 <5,5% /FK 0,1-5 %
CERTIFIED	UNE-EN 17672 Alloy Ag140. DIN EN 1045 FL10
MELT. RANGE	650-710°C
DESCRIPTION	Copper silver bar with flux material for brazing. CADMIUM-FREE.

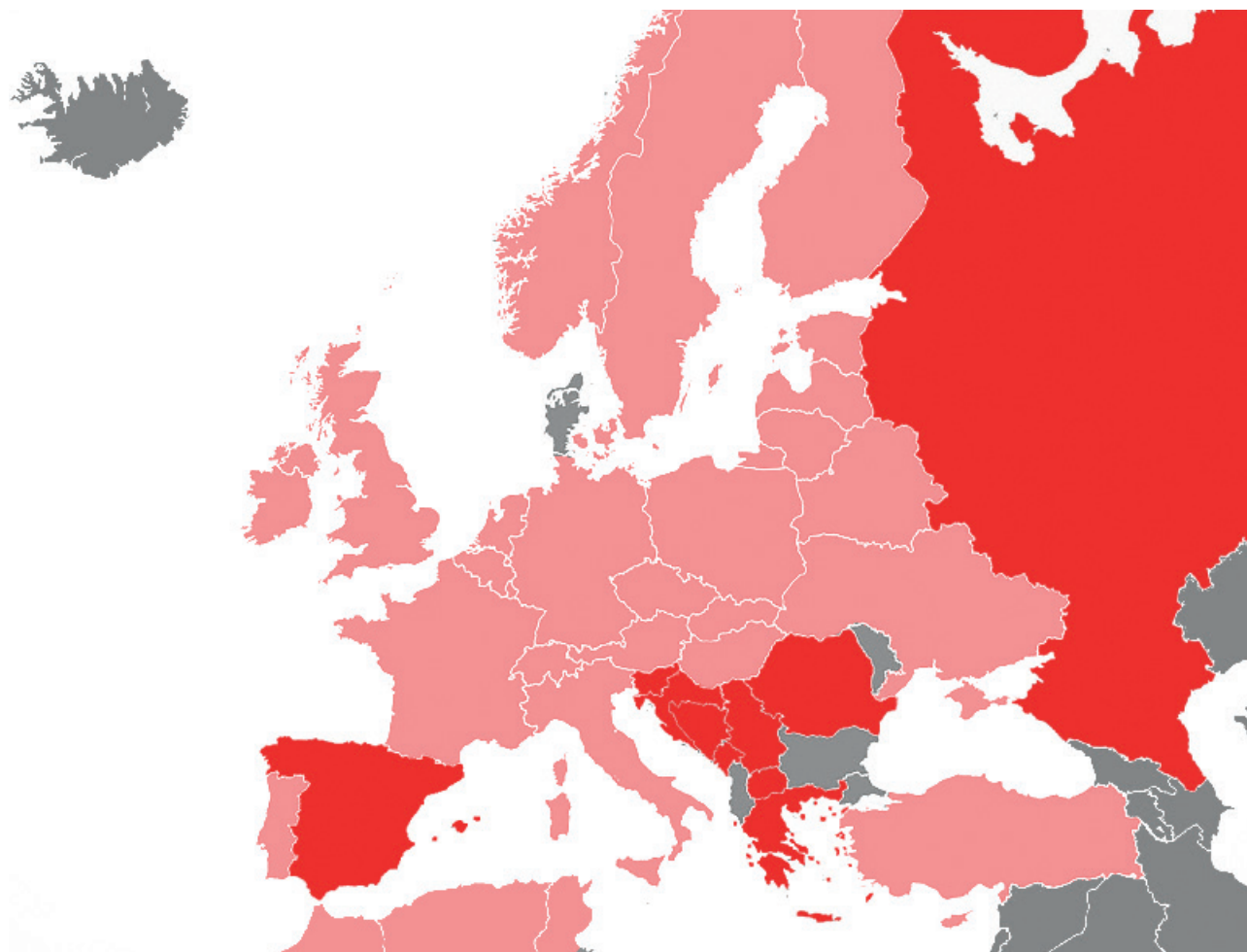


Commercial network

Thanks to our broad commercial network in Europe, Broquetas s.l. exports to more than 60 countries all over the world:

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