



BRAZING FILLER METALS
Cadmium Free
Low Temperature
Brazing Alloys

Deep Know-How

As a leader manufacturer of soldering and brazing consumables, Saldflux offers a brazing solution based on 35 years of industrial experience, tried and tested processes and method



Cadmium Free, Silver Brazing alloys

RoHS and ReaCH Compliant

TERNALLOY T - TERNALLOY S



Saldflux Brazing focuses entirely on soldering and brazing and on the customer's requirements in this field. With the Cadmium free, low temperature brazing alloy offer good wetting and excellent mechanical properties at an optimized cost situation.

Saldflux offer a wide range of silver brazing alloys for the heating and cooling industry. **TERNALLOY 420, TERNALLOY 25, TERNALLOY 30, TERNALLOY 34, TERNALLOY 40 and TERNALLOY 45** meet the needs of professionals for joining metals in installation, maintenance, repair, servicing and plumbing work.

TERNALLOY are very free flowing and low melting temperature brazing alloys (see table). They are suitable to join a wide range of ferrous and non-ferrous metals (copper, brass, bronze, steel, stainless steel, nickel alloys, etc.) with the exception of aluminium and magnesium.

Continuous service operating temperatures of joint brazed with these alloys range up to approx 200°C. When the brazing is made in an oxidizing environment (air e.g.), the use of proper flux is required. Anyway the temperature resistance of the brazed joints is further dependent from the design (gap geometry) and the base material to be brazed.

All TERNALLOY brazing alloys do not contain Cadmium, do not present the Health & Safety concerns associated with Cadmium bearing alloys and are compliant with the RoHS regulation.



Alloy comparison of alternative brazing alloy for the heating and cooling industry

Product Name	Composition (Wt%)	Density gr/cm ³	Melting Range (C°)	Working temp. (C°)	International Specification
TERNALLOY 45	Ag 45; Cu 27; Zn 25,5; Sn 2,5	9,2	640 -680	690	ISO 17672:2016 - Ag 145
TERNALLOY 444	Ag 44; Cu 30; Zn 26	9,1	675-735	730	ISO 17672:2016 - Ag 244
TERNALLOY 40	Ag 40; Cu 30; Zn 28; Sn 2	9,1	650-710	690	ISO 17672:2016 - Ag 140
TERNALLOY 34	Ag 34; Cu 36; Zn 27,5; Sn 2,5	9	630-730	700	ISO 17672:2016 - Ag 134
TERNALLOY 30	Ag 30; Cu 36; Zn 32; Sn 2	8,9	665-755	730	ISO 17672:2016 - Ag 130
TERNALLOY 25	Ag 25; Cu 40; Zn 33; Sn 2	8,8	680-760	750	ISO 17672:2016 - Ag 125
TERNALLOY 420	Ag 20; Cu 44; Zn 36; Si 0,15	8,7	680-765	760	ISO 17672:2016 - Ag 220

Sede Legale e Uffici

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