

Support Products

Description

The braze support products mentioned below are supplied to manufacturers of aluminium heat exchangers where they assist in improving cost effective process sequences, improving braze repeatability and improving brazed part cosmetics.

Antarox BL-225:

Antarox BL-225 is a wetting agent used to reduce the surface tension of flux and water suspensions. This ensures even flux on part distribution. Antarox is added at a rate of 0.1% to 0.5% (of total mass of flux and water suspension) depending on the surface wettability of the products being fluxed.



Fluxed Part.
No Antarox BL-225



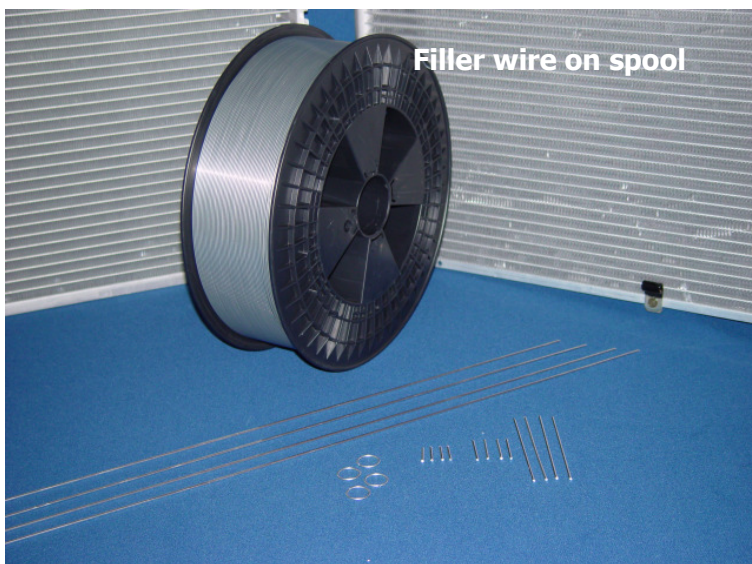
Fluxed Part.
Antarox BL-225 Used

FLUX-Filler-Stop & FLUX-Green-Filler-Stop:

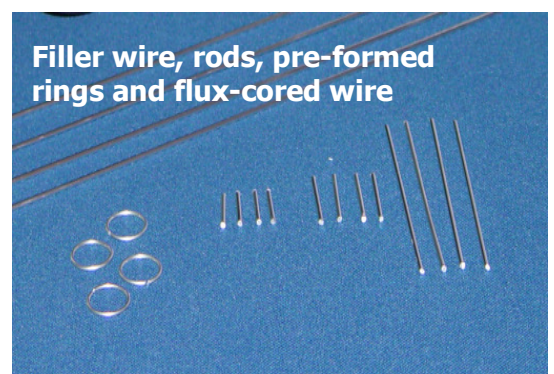
Flux filler stops are used to prevent cores bonding to brazing jigs and fixtures. Significant product damage and marking can be prevented by applying a thin coating of filler-stop to braze jigs and fixtures in the areas where they make contact with the cores.



FLUX-Filler-Stop & FLUX-Green-Filler-Stop



Filler wire on spool



Filler wire, rods, pre-formed rings and flux-cored wire

Support Products

Brazing Wire and Rings:

We offer aluminium alloy filler wires in various alloys and diameters, in rod and spool format to meet all your brazing requirements. Pre-formed rings and other profiles can be supplied to customer specification

Aluminium Alloys:

We offer a wide range of aluminium alloys for general flame, induction, TIG, MIG and furnace brazing applications. These can be used in conjunction with corrosive or non-corrosive flux from our extensive range to suit specific conditions.

Alloy Product Description	Diameter (mm)	Format	Pack Size (kg net weight)	Comment
AlSi12 (4047)	1.0-3.2	Wire on spool	6kg	For general flame and furnace brazing of aluminium alloys
	2.0-2.4	Rods in carton	10kg	
AlSi5 (4043)	2.4	Rods in carton	2,5kg	Often used to join connectors to pipes prior to furnace brazing
AlZnSi-Special	1,6 - 2	Rods in Carton	5kg	Special Brazing Alloy for Solar, HVAC and automotive applications, Melting temperature app. 480 – 540°C
Al 99,7 (1070)	2.4	Rods in carton	10kg	TIG welding and tacking
Al99,5 (1050)	0.8	Wire on spool	5kg	TIG welding and tacking
AA1100	1,2	Wire on spool	7.25kg	TIG welding and tacking
	2.4	Rods in carton	5kg	TIG welding and tacking

Zinc Aluminium Alloys:

Used in conjunction with our non-corrosive cesium enhanced flux pastes, these filler wires are used to join aluminium to aluminium as well as aluminium to copper.

Alloy Product Description	Diameter (mm)	Format	Pack Size (kg net weight)	Comment
ZnAl2	1.6	Wire on spool	20kg	For joining of aluminium air-conditioning circuit components.
ZnAl15	1.6	Wire on spool	15kg	Higher melting range, easier to use than other zinc aluminium alloys
Znmod	1,6 - 2		10 - 15kg	Special High strengths alloy for Rings used at HVAC components and U-Bends

FLUX-Cored Wire:

These filler wires contain non-corrosive flux (cesium enhanced in some products) in their center. No additional flux is required. The filler alloy to flux ratio is well balanced eliminating over/under fluxing of joints.

Alloy Product Description	Diameter (mm)	Format	Pack Size (kg net weight)	Comment
Al-FLUX 1228NC (4047)	1.6-2.4	Wire on spool	5kg	General application
Al-FLUX 1228NCM (4047)	1.6-2.4	Wire on spool	5kg	General application
Al-FLUX 1228NCCs (4047)	1.6-2.4	Wire on spool	5kg	Cesium addition to flux core
AlSi12 U-Profile filled	1.3x3	Wire on spool	7kg	Cesium addition to flux core
AlSi12 U-Profile filled	1.3x2,3	Wire on spool	7kg	Cesium addition to flux core
AlSi12 U-Profile filled	1.3x3	Rods	5kg	Cesium addition to flux core
ZnAlCs	1.6 & 2.0	Wire on spool	5kg	With cesium flux in core
ZnAl CsM	1.8 & 2.0	Wire on spool	5kg	With cesium flux in core
Zn-mod	1.6x2.6	Wire on Spool	12-15kg	With cesium flux inside the u-shape
Zn-mod	1.6x2.6	Rods	5kg	With cesium flux inside the u-shape

AlSi12 Powder:

We supply AlSi12 filler metal powder (4047) in various grades. This product is often used by our customers to prepare flux/filler metal pastes to improve first time braze results or for re-brazing of leaking cores. Issued 04/2011