

## Meta-Braze™ ALNC 21 Flux Powder

Meta-Braze™ ALNC 21 Flux Powder is an aluminium brazing flux principally formulated for use on aluminium alloys using an aluminium-silicon brazing alloy in a controlled atmosphere brazing (CAB) process. It contains a caesium-salt which has insoluble non-corrosive flux residues that can be left on the components post brazing.

This flux becomes active very close to the melting range of the most commonly used aluminium-silicon brazing alloy (Meta-Braze™ Al112 / Al 4047 / 88% Al-12%Si). As such it should be noted that there is a very small process window in which the brazing alloy can be used with Meta-Braze™ ALNC 21 Flux. For this reason, it is regarded as being suitable mainly for heating methods which have a high degree of temperature control. Brazing processes using heating methods such as flame or induction brazing may be more successful using Meta-Braze™ ALC 31 Flux Powder or paste which has a wider working range but corrosive residues which need to be washed off.

Meta-Braze™ ALNC 21 Flux Powder is suitable for the manufacture of aluminium heat exchangers and thermal management devices.

### Product Details

Composition:	Proprietary
Specification / Standard:	EN 1045:1997: FL20
Active Range:	570-660°C

### Conditions For Use

Please read the safety instructions before use. The flux is a mixture of non-hygroscopic fluorides supplied as a white powder. Remove surface contamination from the components to be brazed. They should be free from oil and grease; surface oxide can be removed mechanically or by pickling. Powder can be made into a water based paste or slurry and applied by dipping brushing or spraying.

The brazing residues are non-corrosive and insoluble so no further cleaning of the components is required.

### Forms of Supply

Pots 500gm. Other sizes on request

Vacuum Brazing Consultants Limited t/a VBC Group cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products will be used. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is given in good faith, being based on the latest information available to VBC Group and is, to the best of VBC Group's knowledge and belief, accurate and reliable at the time of preparation. However, no representation, warranty or guarantee is made as to the accuracy or completeness of the information and VBC Group assumes no responsibility therefore and disclaims any liability for any loss, damage or injury howsoever arising (including in respect of any claim brought by any third party) incurred using this information. The product is supplied on the condition that the user accepts responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. Freedom from patent or any other proprietary rights of any third party must not be assumed.