



TECHNICAL INFORMATION SHEET



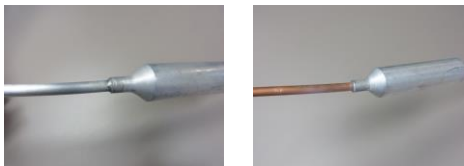
ALCOR™ BRAZING FILLER METAL

DESCRIPTION:

Alcor™ is a zinc-aluminum brazing filler metal designed for low temperature joining of aluminum base metals. Typical aluminum braze alloys melt and flow very close to the base metal melting temperature. Alcor's lower operating temperature reduces the possibility of overheating the aluminum part.

Alcor is a flux cored wire. This eliminates the need to separately flux the part. Alcor's flux residue is non-corrosive so post braze flux removal is unnecessary.

Alcor is a good choice for joining aluminum alloys of the 1000, 3000, and 6000 series. It can also be used to join aluminum to copper. For dissimilar metal applications the long term galvanic corrosion potential should be considered and a protective joint coating may be required.



NOMINAL CHEMICAL COMPOSITION%:

Zinc	98
Aluminum	2

PHYSICAL PROPERTIES:

Metal Solidus - 710°F (377°C)

Metal Liquidus - 725°F (385°C)

Recommended brazing temperature 788 - 824°F (420 - 440°C)

Density – 0.206 lbs. per cu.in.

AVAILABLE FORMS:

2.0 mm wire diameter in coils and spools.

RECOMMENDED FLUX:

Flux is contained in the solder core. No additional flux is required.

SPECIFICATION COMPLIANCE:

No industry specifications – produced to Harris Products Group internal standards.

SAFETY INFORMATION:

WARNING: PROTECT yourself and others. Read and understand this information.

FUMES AND GASES from wire, base materials, and flux can be hazardous to your health.

HEAT RAYS, (infrared radiation) from flame or hot metal can injure eyes.

- Before use, read and understand the manufacturer's instructions, Material Safety Data Sheets (MSDS), and your employer's safety practices.
- Keep your head out of fumes.
- Use enough ventilation, exhaust at the flame, or heat source, to keep fumes and gases from your breathing zone and the general area.
- Wear correct eye, ear, and body protection.
- See American National Standard Z49.1, *Safety in Welding, Cutting, and Allied Processes*, published by the American Welding Society, 8669 Doral Blvd., Doral, Florida 33166; OSHA Safety and Health Standards, available from the U.S. Government Office, Washington, DC 20402.

STATEMENT OF LIABILITY- DISCLAIMER:

Any suggestion of product applications or results is given without representation or warranty, either expressed or implied. Without exception or limitation, there are no warranties of merchantability or of fitness for particular purpose or application. The user must fully evaluate every process and application in all aspects, including suitability, compliance with applicable law and non-infringement of the rights of others. The Harris Products Group and its affiliates shall have no liability in respect thereof.

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Additional information available at our web site: www.harrisproductsgroup.com