

SUF

SUPERSTRONG MULTI-PURPOSE, LOW TEMPERATURE SOLDER

- 5 times stronger than normal soft solders (14,5 kg/mm²).
- Bonds all types of metals, even aluminium, when using Supersolder Flux.
- Excellent on stainless steel.
- Very low bonding temperature (221°C). - Prevents deforming of base material.
- Non-toxic - contains no lead, cadmium, zinc, antimony or copper.
- 50% harder than normal solders.
- Easy to handle - does not drop.
- Stays shiny - does not corrode.
- 25% better electrical conductivity than normal soft solders.
- Resists vibrations.
- Supersolder Flux is only required for aluminium and light alloys.

SUPERSOLDER FLUX

GENERAL INFORMATION

SUPERSOLDER FLUX is a liquid that connects solder aluminium with supersolder at low temperature. Due to its low melting temperature, SUPERSOLDER is easy to use, and it will not deform the base material.

TECHNICAL INFORMATION AND PACKAGING

Appearance (at 20°C): liquid.

Odour: characteristic.

Colour: variable in colour, depending on the composition.

Boiling point/boiling range: 134°C.

Flashpoint: 135°C.

Explosion limits: 1.6-10vol% (°C).

Relative density (at 20°C): 1.2.

Water solubility: soluble.

Relative vapour density: > 2.

Auto-ignition point: 305°C.

APPLICATION AND USE

- Warm up the piece of aluminium evenly with a welding torch or a hot air gun. Make sure that the piece stays at temperature, either by insulating it maximally between the jaws of a bench-vise, or by placing it on fireproof bricks. Larger pieces have to be insulated by means of a heat-proof paste.
- When sufficient temperature has been obtained, the flux can be applied on the surface of the build-up or a joint to be made. The flux will start boiling and will flow at that moment.
- Keep on warming up the piece evenly and avoid direct contact between the source of heat and the flux.
- Dip the Supersolder wire in the flux and bring it in contact with the piece of aluminium or the joint. Always avoid direct contact with the source of heat. When the required temperature has been obtained, SUPERSOLDER will melt and adhere to the piece of aluminium with excellent capillarity. When necessary, add some extra flux from time to time.
- When the repair, the build-up or the joint is ready, let the piece cool off for about 30 seconds without moving it, so that SUPERSOLDER can solidify.
- Rinse the piece with water and remove all remainders of the flux with a metal brush.

Article nr	Name	Content	Section
N373150	Supersolder Flux	50g	ELECTRICAL CONNECTIONS

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