



SUPERIOR ALUMINUM CORE FLUX



- Aluminum Core Flux formulated to be used with Non-Zinc bearing wire
- Residues From Soldering Completely Water Soluble

DESCRIPTION

Superior Aluminum Core Flux is formulated for direct aluminum soldering applications. A eutectic solder formulation with an active aluminum flux core it permits direct soldering to aluminum surfaces without the need to use expensive plating techniques to prepare the aluminum surface for soldering. The specialty flux core created cuts through the tenacious oxides that are always present on aluminum alloy surfaces and will promote the spread of the solder alloy on metal surfaces.

DIRECTIONS

When loading the **Superior Aluminum Core Flux**, the following steps should be taken:

1. A Stainless Steel Grade tank/holder should be used for a single step core melting process to bring flux to liquidus.
2. An even heating system should be used to heat the tank/holder.
3. To help with the even heating, the core flux, when in heating process, should be mixed slowly to keep viscosity and flux temperature consistent.
4. The flux core liquidus temperature should be in the 60-65C range for pouring into the solder.
5. Pressure systems, if used for the application, should be determined by the solder manufacturer based upon their own experience.

APPLICATIONS

Superior Aluminum Core Flux is useful for aluminum to aluminum and aluminum to copper connections. It also can be used for soldering copper to steel connections. The solder is best used by melting with radiant heat from a constant heat source such as a soldering iron or hot plate. Low temperature, diffuse heat torch soldering can be used, but intense torch heat will destroy the aluminum flux within the solder core.

RESIDUE PROPERTIES AND REMOVAL

The residues from the **Superior Aluminum Core Flux** are slightly basic and completely water soluble and should be removed from electronic assemblies. They are best removed by immediately washing with warm water. To remove the water, rinse the surface with an alcohol rinse then dry the surface.

Superior Aluminum Core Flux has a two (2) year shelf life.

This Product is RoHS Compliant

Superior manufactures quality fluxes. Our business is solving problems.

