



SUPERIOR No. 600B



BLACK SILVER BRAZING PASTE FLUX

- Specially formulated for silver brazing applications.
- Brazes copper, brass, nickel, carbon steel, stainless steel, and precious metals.
- Residues are water-soluble.

DESCRIPTION

Superior No. 600B is a creamy black silver brazing paste flux that is active and protective to 870°C/1,600°F. It is formulated for silver brazing operations, and recommended for use with Copper and Copper-based alloys, steel, stainless steel, Nickel, carbides, precious metals and heat-resistant alloys. **Superior No. 600B** will not harden or crystallize, retaining its creamy texture for two (2) years.

APPLICATIONS

Superior No. 600B is a general purpose brazing flux used in a wide variety of joining applications for many different finished products including; appliances, automotive, carbide tools, dental tools, orthodontia, farm machinery, heat exchanges, heat equipment, maintenance, mining tools, musical instruments, plumbing fixtures, refrigeration and air conditioning, ship repair, steel furniture and welding equipment.

PHYSICAL PROPERTIES

Form	Fine, Creamy Paste
Color	Black
Specific Gravity	1.6
Water Content	Less than 25%
pH	9.5 ± 0.5
Flash Point	None
Freezing Effects	None
Active Temperature Range	565°C/1,000°F – 980°C/1,800°F

SPECIFICATIONS

- AMS 3410
- AWS A5.3I-92, Type FB3A
- Federal Specification O-F-499D, Type B

Superior manufactures quality fluxes. Our business is solving problems.



APPROPRIATE FILLER METALS

> BAg

> BCuP

DIRECTIONS

Superior No. 600B may be used in concentrated form or diluted with water to a thinner consistency. Heating the flux to 60°C/140°F - 82°C/180°F makes it less viscous and more reactive. Heat the flux slowly to reduce spattering or excessive bubbling. The raw flux and residues are soluble in hot water (at least 140°F/60°C). Chipping or grinding is not necessary.

- ➊ Remove any oil, grease, or other contaminants from the surface to be brazed.
- ➋ Apply flux to joint by dipping, swabbing or brushing area being brazed. The flux may be used as supplied or diluted.
- ➌ Apply heat, by torch, induction or other means to area being brazed after flux has been applied to activate the flux.
- ➍ Feed the braze alloy into the joint, unless a brazing preform is already in place.
- ➎ Clean flux residues from brazed joint using hot water (60°C ± 5°C /140°F ± 10°F) for best results. If unavailable, room temperature water may also be used.

SAFETY PRECAUTIONS

Superior No. 600B contains Potassium Bifluoride (CAS #7789-29-9) and Potassium Fluoborate (CAS #14075-53-7) and should be handled with care.

Avoid contact with skin, eyes or clothing. It is recommended that NIOSH approved safety goggles, rubber gloves and rubber apron be worn when working with the flux. As an added precaution, wash hands thoroughly after use. Brazing should be done with adequate ventilation.

Disposal of raw flux and flux residues must be carried out in accordance with local and federal environmental guidelines.

Superior No. 600B has a two (2) year shelf life when stored properly.

Refer to MSDS for additional safety information.

The information contained herein is based on data considered to be accurate and is intended for use by persons having technical skills at their own discretion and risk. Since conditions of use are outside of Superior Flux & Mfg. Co.'s control, we cannot assume liability for results obtained or damage incurred due to misuse, nor can we assume customer liability.

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