

eco SMART

BORIC ACID FREE FLUX

Introducing the world's first boric acid-free smart flux

ECO SMART® is a unique, patent-pending flux that is designed with color change technology that lets you know when it is time to braze.

Its boric acid free environmentally friendly formula starts out as a green color that changes to clear when the flux becomes active.

Usage for powder and paste: brazing steel, stainless steel, Monel®, nickel, copper, brass, bronze and other ferrous and non-ferrous metals and alloys.

Use with Stay-Silv®, Safety-Silv® and other brazing filler metals. Extremely fluid. Will penetrate the tightest joints. Not subject to recrystallization (lumpiness-hardening). May be water thinned. Remove all flux residue on completion of brazing.

Residue can be removed with wire brush and hot water; no acid solution required. Absence of boric acid results in less airborne water absorption and clumping of powder.



DETAILS

Powder Splatter:	No spatter for undiluted flux.
Powder Life - Base Metal Protection:	Good throughout the active range - Prevents oxidation of base metal during brazing operation. Better protection than Eco Smart Powder Flux.
Capillary:	Excellent
Flux removal:	Remove flux residue after brazing with wire brush with hot water.
Base Metals:	Copper alloys (copper, brasses & bronze) Promotes optimal bonding between like and dissimilar base metals.
Filler Metals:	B _{Ag} , L _{Ag} , L _{CuP} and B _{CuP} Alloys
Brazing Methods:	Flame, induction and furnace brazing.
Active Temperature Indication:	Flux color changes from green to clear to indicate that active temperature has been reached.
Powder Consistency:	Uniform. Not gritty.
Powder Hygroscopicity:	Absorbs less water from the air, resulting in less clumping than fluxes containing boric acid.
Powder Application:	Flux is excellent for hot-rodging (Dipping the heated end of the brazing rod into the flux powder to achieve a flux coat). It can also be mixed with water or alcohol as needed, and applied to base metal.