



DROSS RECOVERY POWDER

DE-OX POWDER

De-Ox Powder is a white powder formulated to reduce and prevent oxides of solder, commonly known as dross, on still pots and wave solder machines. Many competitive dross-reducing materials are based on mineral oils and fatty acid compounds that breakdown deposit on the PCB assemblies. **De-Ox Powder** is a stable, low fuming, high melting compound with no flash or fire points. No smoke or fumes are generated when solder pot temperatures are below 485^oF.

Benefits:

Low fuming.
Less alloy waste

Physical & Chemical Characteristics:

Colour and Appearance	Solid White Powder
Flash Point	None
Shelf Life (un-opened)	Indefinite

Application:

The following procedure should be performed periodically to reduce solder dross. De-Ox Powder should be used whenever there is an excess of dross that hinders the soldering process, or when a yellowish surface (tin oxide) is seen on the molten solder.

- 1) Solder pot temperature set between 450^oF and 485^oF. (Around 240C – 260C) The wave must be turned off.
- 2) Completely cover the molten solder surface with approximately 1/8 inch of De-Ox Powder by sprinkling it over the surface.
- 3) Using a spoon or spatula that will not contaminate the solder pot, work the De-Ox Powder into the pot by gently “chopping” it into the molten solder.

4) The process will take several seconds to complete. The De-Ox Powder will move about the surface of the molten solder and react with all oxides of tin and lead, converting them back into their metallic state in a grey powder form.

5) After completion of the dross recovery process, remove all remaining dross, dirt, and other contaminants with a spoon or spatula. Complete removal of the De-Ox Powder particles is recommended.

Packaging and Storage:

De-Ox Powder is available in 1 pound containers

Store in a cool dry place.