



Super Deox #1

Dross Recovery Powder

QUALITEK®

DESCRIPTION

Super Deox #1 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 and deposit on the PCB assemblies. Super Deox #1 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°F.

BENEFITS

- ≡ Low fuming
- ≡ Less alloy waste

PHYSICAL & CHEMICAL CHARACTERISTICS

Color and Appearance
Flash Point
Shelf life (un-opened)

Solid White Powder
None
Indefinite

APPLICATION

The following procedure should be performed periodically to reduce solder costs. Super Deox #1 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°F and 485°F. The wave must be turned off.
- 2) Completely cover the molten solder surface with approximately 1/8 inch of Super Deox #1 by sprinkling it over the surface.
- 3) Using a spoon or spatula that will not contaminate the solder pot, work the Super Deox #1 into the pot by gently “chopping” it into the molten solder.
- 4) The process will take several seconds to complete. The Super Deox #1 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.
- 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 Super Deox #1 particles is recommended.

PACKAGING & STORAGE

Super Deox #1 is available in 1, 10, 25, and 50 pound containers. It should be stored in dry place.

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