

FORTEX

Fine Etch Crystals



Fine Etch Crystals

Part Number: SOPER-1KG – Makes approximately 5 litre working solution

Part Number: SOPER-500G – Makes approximately a 2.5 litre working solution

Description

Fine etch crystals based on Sodium Per sulphate for producing a clean, non staining, solution for etching copper printed circuit boards. The solution will turn a transparent blue during Etching, so progress can still be monitored unlike traditional Etchants. Etching time is slower than Ferric Chloride, however it causes less under etching resulting fine cleaner structures. Etching speed is typically 0.7 to 1.4um/minute

Preparation

BEFORE HANDLING WEAR PROTECTIVE CLOTHING AND READ THE HEALTH AND SAFETY INFORMATION ON THE MSDS SHEET.

The 1kg powder will make approximately 5 litres of etching solution. Add 4.5 litres of hot, 45°C – 50°C water to a suitable container. Slowly stir in the crystals until dissolved. add the remaining hot water to make up the 5 litres of etching solution. Finally transfer the liquid to a suitable etching tank such as the Fortex PA series tanks. Always wear protective clothing and suitable eye protection.

Usage

For safe and efficient etching, always use at approximately 45°C in a Fortex temperature controlled Bubble Etch Tank.

Normally copper PCB laminate will etch in 5 – 10 minutes. Depending on usage the etching solution will last between 3 and 8 weeks in a tank. When the etching time becomes particularly long either replace the liquid or alternatively the solution life can be slightly extended by adding some more crystals.