

Immersion Tin Process

Description: The Ormecon Tin Process can be used on clean bare copper clad printed circuit materials. The final finish may be enhanced by pre cleaning the board. For a mirror finish of the highest quality, an immersion copper polish process can be incorporated. This document will describe 3 possible processes.

The Immersion Tin process is easy to control and can be used in immersion or flood installations.

Benefits:

Multiple rework without significant degradation
Excellent for SMD technology. And reflow soldering
Attractive bright finish.
Economical.
Long bath life.
Easy to use.

Process Option 1

- (a) Degrease and thoroughly wash the PCB to be processed.
- (b) Thoroughly dry the PCB to be processed.
- (c) Immerse the PCB in Ormecon CSN7001 Tin min 20 centigrade, maximum 35 centigrade, agitate for 1 minute or as long as required to obtain the desired finish
Note: do not dilute or Mix Ormecon CSN7001 with any other material. Use as supplied. Use at the lowest temperature that provides reliable results.
Keep Ormecon CSN7001 cool and dark when not in use.

DO NOT STORE OR USE NEAR FOOD STUFFS OR IN FOOD PREPARATION AREAS.

Process Option 2.

- (a) Degrease Econclense (see econoclense process sheet) 1-2 Mins @ 20 - 25°C. - Double rinse
- (b) MicroEtch. 1 Min @ 20 - 25°C. – Double Rinse + Dry
- (c) Immerse in Ormecon CSN7001. 1 Min @ 20 - 25°C - Double Rinse and Dry
- (d) Immerse in Ormecon CSN7001. 20 Mins @ 40°C - + 2 - Double Rinse and optional de-min rinse and Dry

Process Option 3 – Recommended

- (a) Optional Degrease depending on level of board soiling
Econclense (see econoclense process sheet) 1-2 Mins @ 20 - 25°C. - Double rinse
- (b) Copper Polish (see copper polish process sheet)
- (c) Immerse in Ormecon CSN7001. 1 Min @ 20 - 25°C - Double Rinse and Dry
- (d) Optional Buff with LINT FREE cloth to a deep shine

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Equipment Specification

Use PVC or Polypropelene Tanks and PTFE heaters
Lateral agitation recommended.

Handling precautions.

Ormecon CSN7001 - Harmful and Corrosive.
Contains Thiourea. Refer to health and safety data sheet
Ormecon CSN7001 - Toxic material containing Heavy Metals. Use registered
waste disposal agent.

Refer to relevant health and safety data sheets for each process