

How to use Long Life Tips + Examples

The long life soldering tip is derived from basic types B, BC, C, D and K by special processing. Hakko's special treatment allows a tip to last approximately two times longer than the standard type. It's the optimum approach for the short life tip by corrosion hole.

There are two types of issues that occur with a standard short-life tip: Corrosion and Oxidation.

Corrosion of Soldering Tip



Solder can corrode the iron plating when the iron (Fe) forms an alloy with the tin (Sn) from the solder itself and melts into the solder.

The special processing of the long-life tip mitigates the corrosion from solder, extending the lifespan of the tip.

Oxidation of Soldering Tip



Oxidation occurs naturally over repeated usage or high temperature.

To fix it, simply use the FT-700 Tip Polisher and the FS-100 Chemical Paste to remove the oxide and recoat the tip to form a protective layer against oxidation.