

## EQ-STD CORED SOLDER WIRE DATA SHEET

### DESCRIPTION

EQ-STD are activated rosin cored solder wire designed specially for hand-soldering operations of assemblies where the flux is required to meet the requirements for activated fluxes under certain International Specifications.

### CHARACTERISTICS

EQ-STD solder wire contains a flux which leaves minimal amounts of a safe residue which conform to the various specifications shown on sheet two.

### COMPOSITION

EQ-STD cored solder wire are produced with natural rosins of known origins and of the highest quality. The use of a natural rosin ensures that the fluxing action only takes place in its molten state, the solidified residue is therefore non active, non corrosive and completely safe. During the soldering process the rosin melts under heat but on completion of the work it rapidly forms a hard, dry cover which is non hygroscopic and need not be removed. However, if cleaning is required the residues are soluble and easily removed in solvents or washed in water using a suitable saponifier. The latest generation of semi-aqueous cleaning solutions can also be used.

The rosin in EQ-STD is activated within the requirements of the listed specifications. It is available in 60/40 Tin/Lead alloy conforming to BSEN.29453 Sn60 Pb40E (Alloy 2a).

EQ-STD wire is available in 0.5mm - 3mm diameter.

### GENERAL PROPERTIES

Flux content	EQ-STD = 2.0% w/w
Halide content	0.5%
Corrosion Test, BS 5625	Passes
Corrosion Test, IPC-SF-818	Passes
Copper Mirror Test	Passes J-STD 004 ROM1

### PACKAGING

Available on ½kg reels - packed 20 reels per carton

Note: 0.5mm dia. supplied on 250g reels - packed 20 reels per carton.

EQ-STD non corrosive rosin cored solder wire is manufactured under an approved quality control system. The wires are manufactured to BS EN 29453 S-Sn60 Pb40E (Alloy 2a)

The following tests have been implemented and results obtained shown.

Standard	Test	Result
BS5625-Class 5a	Copper Sheet Corrosion	Pass No Corrosion
UK MOD.DTD 599A	Copper Sheet Corrosion	Pass No Corrosion
DIN 8516-F-SW26	Copper Tube Corrosion	Pass No Corrosion
DIN 8516-F-SW26	Spread	Pass
QQ-S-571E:	Resistivity of Water Extract	Pass 87,000 ohm.cm

## **MATERIAL SAFETY DATA SHEET AVAILABLE ON REQUEST**

This data is based on information believed to be reliable and is offered in good faith but DKL Metals Ltd. makes no warranties either expressed or implied as to its accuracy and assumes no liabilities.