



LIQUID FLUX 500-3431

No-Clean flux

DESCRIPTION

No-clean flux classified as type ORL0 according to J-STD-004B. Corresponds in composition to EF350.

Stannol 500-3431 is halide free activated. The new formula of the activators guarantees an optimum wetting of the different surfaces (such as OSP, Ni/Au, HAL) used in PCB manufacturing and so avoids problems when new printed circuit boards with alternative surfaces are introduced.

A low resin percentage (<0.2%) was integrated into the flux formulation in order to meet the requirements on the soldering behavior of the flux and the electrical safety of the residues left after soldering.

CHARACTERISTICS

Liquid flux 500-3431 offers the following advantages:

- **Multi-purpose application, low residues**
- **Moderate solid content**
- **Fast wetting**
- **No-clean application, electrically safe**

APPLICATION

The Stannol 500-3431 has been developed for the application with spray fluxers. The preheat temperature should be at least 90° C measured on the surface of the circuit board when entering the solder wave. This temperature ensures the evaporation of the solvent and a sufficient activation of the flux.

Evaporation of solvent can change the composition. Evaporation causes an increase of the solid content and therefore the density increases. This can be checked with the Stannol Mini-Titration-Kit.

PHYSICAL PROPERTIES AND DATA

GENERAL PROPERTIES	LIQUID FLUX 500-3431
Colour:	light-yellow
Density (20°C):	0.811 g/cm ³
Solid Content:	3.5%
Acid Value:	27.0 mg KOH/g
Halide Content:	none
Thinner:	Stannol VD-500

SHELF LIFE

2 years after date of production (provided proper storage in originally sealed container).

HEALTH AND SAFETY

Before using please read the material safety data sheet carefully and observe the safety precautions described.

NOTICE

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.