



LIQUID FLUX 500-3431BF

Halide-free no-clean flux

DESCRIPTION

Halide-free no-clean flux conforming to DIN-EN 29454-1 type 2.2.3.A (DIN 8511, F-SW34).

Stannol 500-3431BF is based on the well established Stannol 500-3431 with an increased solid content to provide enhanced activity, which is required for lead-free soldering. 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 behaviour of the flux and the electrical safety of the residues left after soldering.

CHARACTERISTICS

Liquid flux 500-3431BD offers the following advantages:

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

APPLICATION

Stannol 500-3431BF has been developed for the application with spray fluxers, but foam fluxers can also be used. 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 500-3431BF
Colour:	light-yellow
Density (20°C):	0.814 g/cm ³
Flash Point (closed crucible):	12°C
Ignition Temperature:	425°C
Solid Content:	4.4%
Acid Value:	34.4 mg KOH/g
Halide Content:	none
Thinner:	Stannol VD-500

SHELF LIFE

2 years after date of delivery (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.