



LIQUID FLUX 500-3431BF BIO

No-Clean Bio Flux



PRODUCT DESCRIPTION

The flux 500-3431BF Bio is another member of the sustainable greenconnect product family by Stannol. The No-Clean flux is the organic version of the well established 500-3431BF. The special feature: By using renewable raw materials, a better eco-balance is achieved than with the conventional flux – while maintaining the same high product quality. According to DIN-EN 16785-2, a 95 percent bio-based content is determined.

The 500-3431BF Bio contains an adjusted solid content, which ensures a higher activation. The halogen-free formulation guarantees excellent wettability of a wide variety of surfaces such as OSP, Ni/Au or HAL. PCBs with alternative surfaces can be quickly integrated into the production process. In order to meet the requirements for the soldering behaviour of the flux and the electrical safety of the manufactured assembly, the flux was formulated with a low resin content (< 0.2 %).

The No-Clean flux is classified in category 2.2.3.A according to DIN-EN 29454-1 (DIN 8511, F-SW34).

PRODUCT PROPERTIES

The product offers the following advantages:

- **70 % CO₂ savings**
- **multi-purpose application, low residues**
- **high solid content**
- **fast wetting**
- **No-Clean, electrically safe**

APPLICATION

With regard to flux application, Stannol 500-3431BF Bio has been optimised so that it can preferably be used in spray fluxers. Foam fluxers are also applicable. The preheating temperature when entering the solder wave should be at least 90 °C on the top of the PCB. This temperature ensures the evaporation of the solvent and a sufficient activation of the flux.

Changes in composition occur due to evaporation losses. Corrections can be made by correct dilution – the titration method with the Stannol Mini Titration Set is recommended for this purpose. The corresponding instructions are included in the titration set.

PHYSICAL PROPERTIES AND DATA

PROPERTIES	500-3431BF BIO
colour:	light yellow
density (20 °C):	0,821 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-E-900

SHELF LIFE

2 years from date of manufacture (if stored properly in the original sealed container).

HEALTH AND SAFETY

Read the safety data sheet and observe safety measures before first use.

DISCLAIMER

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