



LIQUID FLUX EF350 BIO

Low-solids no-clean flux



DESCRIPTION

Our EF350 is the first BIO flux of the Green Connect series offering the same advantages of the well-known EF350, being FAIR to the environment at the same time.

By using renewable raw materials you achieve a better **ecological balance** with the same high quality (such as EF350). The biobased content is determined to be 95% according to DIN EN 16785-2.

EF350 BIO is a low-solids, no-clean flux type ORL0 according to J-STD-004 B.

It has a large process window and can be used universally in wave and selective soldering.

EF350 BIO is a halide-free flux which guarantees an optimum wetting of different surfaces (such as OSP, Ni/Au, HAL, chem. Sn and chem. Ag) both with lead-free and lead-containing solder alloys.

CHARACTERISTICS

Stannol EF350 BIO offers the following advantages:

- 70% CO2 savings compared to the use of conventional FLUX
- Multi-purpose application, low residues
- No-clean application, electrically safe
- Perfect wetting results with lead containing and lead-free alloys

APPLICATION

The Stannol flux **EF350 BIO** has been developed for 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. Preheat temperatures up to 120-130°C for a short period of time may be tolerated by 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 tested with the Stannol Mini-Titration-Kit.

PHYSICAL PROPERTIES AND DATA

GENERAL PROPERTIES	LIQUID FLUX EF350 BIO
Colour:	light-yellow
Density (20°C):	0,818 g/cm ³
Solid content:	3,5%
Acid value:	29 mg KOH/g
Halide content:	none
Copper mirror test:	passed
Surface Insulation Resistance:	> 10 ⁸ Ω
Corrosion:	none
Thinner:	Stannol VD-900 BIO

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 advice 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.