

LIQUID FLUX EF350

No-clean flux

DESCRIPTION

No-clean flux classified as type 2.2.3.A according to DIN-EN 29454-1, type ORL0 according to EN 61190-1-1 and type ORL0 according to J-STD-004.

Stannol EasyFlux 350 is halide free activated. The new formula of the activators guarantees an optimum wetting of the different surfaces (such as OSP, Ni/Au, HAL, chem Sn and chem.Ag) used in PCB manufacturing and so avoids problems when new printed circuit boards with alternative surfaces are introduced. The EF350 may be used with lead-containing and lead-free solders, where best wetting result may be achieved. Best results were achieved when using Stannol Ecoloy and Flowtin TSC (Tin/Silver/Copper), TS (Tin/Silver) and TC (Tin/Copper) alloys. A low percentage of special additives were 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

Stannol EF350 offers the following advantages:

- **Multi-purpose application, low residues**
- **Moderate solid content - fast wetting**
- **No-clean application, electrically safe**
- **Perfect wetting results with lead containing and lead-free alloys**

APPLICATION

The Stannol EasyFlux 350 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 checked with the Stannol Mini-Titration-Kit.

PHYSICAL PROPERTIES AND DATA

GENERAL PROPERTIES	LIQUID FLUX EF350
Colour:	light-yellow
Density at (20°C):	0.811 g/cm ³
Flash point (closed crucible):	12°C
Ignition temperature:	425°C
Solid content:	3.5%
Acid rating:	27.0 mg KOH/g
Halide content:	none
Copper mirror test:	passed
Silver chromate paper test:	passed
Surface Insulation Resistance:	>10 ⁸ Ω
Corrosion:	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.