



LIQUID FLUX 400-25

Halide-activated rosin flux

DESCRIPTION

Halide-activated rosin flux conforming to DIN EN 29454-1 1.1.2, EN 61190-1-1 type ROM1.

Stannol 400-25 has been specially formulated for applications in the electronic industry for surfaces which are difficult to solder. An excellent wetting efficiency when soldering printed circuits, especially in foam fluxers, is achieved by the use of a stabiliser. The flux has good wetting properties and guarantees complete flux coverage during the soldering process due to the high rosin contents. The flux residues remaining after the soldering process are dry, plastic and transparent.

Stannol 400-25 has a very wide process window and can be used without any problems.

APPLICATION

Stannol 400-25 can be applied with foam fluxers, but also by dipping, spraying and brushing. The preheating temperature on the PCB top surface can be set between 80° C and 120° C. During the soldering process a considerable part of the flux is rinsed off the PCB. If cleaning is required, flux residues can be removed completely with a commercial cleaner. All known cleaning processes, such as by brushing, ultrasonic, steam etc. are appropriate.

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 400-25	
Colour:	amber liquid	
Density at 20°C:	0.846 g/cm ³	
Flash point (closed up):	13°C	
Ignition point:	425°C	
Solid content:	25%	
Acid rating:	48 mg KOH/g	
Copper mirror test:	passed	
Chromate paper:	1,75 (% Cl equivalent solid)	
Halide content:	none	
Surface resistance:	1.0*10 ¹² Ω uncleaned, soldered	4.0*10 ¹¹ Ω fluxed
E-corrosion:	none	none
Requirements:	Bellcore TR-NWT 000078	
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.