

LIQUID FLUX R41-01i

Low residue No-Clean flux

DESCRIPTION

Low residue No-Clean flux type 1.1.2.A according to DIN-EN 29454-1 (DIN 8511, F-SW26) for wave soldering of PCBs with poor solderability.

The special formulated Stannol R41-01i exhibits excellent wetting of solder on different metallic surfaces (e.g. OSP, Ni/Au, HAL) used in PCB fabrication. It is recommended for use in consumer electronics.

CHARACTERISTICS

Stannol R41-01i offers the following advantages:

- **Universal for wave soldering**
- **Low residue**
- **Excellent foam**
- **Fast wetting**
- **No-Clean application**

APPLICATION

Stannol R41-01i is designed for use in foam and spray fluxer. Preheat temperature should be adjusted to 95-100°C before entering into the wave. Be certain of all solvent to be evaporated. At this temperature best activity is achieved to get optimum wetting results.

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		R41-01i	
Colour:	pale yellow		
Halide content:	0,013%		
Acid value:	21 ± 1mg KOH/g		
Density at 20°C:	0.800 ± 0.005 g/cm ³		
Solid content:	4.7% ± 0.2 w/w		
Flash point:	12°C		
Auto ignition:	425°C		
J-STD-004:	RO M1		
IPC-SF-818:	LR3CN		
SURFACE-ISOLATION-RESISTANCE			
IPC-SF-818:	85°C/85%rH//168h/50V	4,1x10 ¹⁰ Ω	
Bellcore TR-NWT-00078/3:	85°C/85%rH//96h	1,3x10 ¹⁰ Ω	
	85°C/85%rH//500h/10V	2,0x10 ¹⁰ Ω	
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.