

FLUX I 101

Halogen and rosin free flux

PRODUCT DESCRIPTION

I 101 is a halogen free flux to be used in the assembly of electronic compounds. This flux will provide excellent results. I 101 is based on a newly formulated carrier system which does not leave corrosive or conductive residues on the surface after soldering. Based on the proprietary chemistry extreme good results are obtained in regard to surface insulation resistivity. For high integration of electronic compounds I 101 will provide all the characteristics which are described in the test procedure of the DIN EN 29454-1. In addition much higher surface resistivity is achieved when tested at high humidity, what allows using this flux for the most sophisticated electronic applications.

PRODUCT PROPERTIES

- rosin free
- halogen free
- No-Clean
- good wetting
- Spraying and foaming

In accordance with: DIN EN 29454-1: 2.1.3.A
 ANSI J-STD-004: OR L0

APPLICATION

I 101 is suitable for the assembly of electronic device for OEM, communication, military, air- and space Electronics. It can be used also for consumer electronics. The exceptional properties can be used to optimize SMD assembly.

PROCESSING PROPERTIES

I 101 is suitable for all types of soldering equipment. The flux can be applicated by foaming and any other way like spraying. When applied by foaming dry foam with small bubbles will be generated. This leads to excellent wetting of the surface.

PROCESSING PARAMETERS - RECOMMENDATION

Preheating:	ca. 80 - 110 °C PCB top side
Amount of flux:	ca. 25 - 30 ml / min
Transportation speed:	ca. 0,8 - 1,2 m / min
Solder bath temperature:	ca. 260 - 265 °C

CLEANING

Because the PCB surfaces are generally residue-free after soldering when using the I 101 flux cleaning is not required after soldering. There are some specifications calling for cleaning. In such cases the use of cleaners is recommended. The cleaners remove all residues and provide a clean surface. In addition a high SIR-value will be the result of the cleaning process.

CONTROL OF DENSITY

The control of the required specific density can be achieved by using our special thinner 120.

PHYSICAL PROPERTIES

Specific Density 20°C	0,792 g/cm ³
Solid Content	2,5 %
Acid Value	20,0 mg KOH /g
Color	clear

DELIVERY FORMS

- 2,5 L - 10 L - 25 L cans
- Special sizes by request

HINT

Our recommendations for the technical handling by word, writing and by tests ensues our best knowledge yet is nothing but an unobliging instruction, also in respect on possible protective rights against third parties and does not free from own tests of the delivered products regarding the suitability for your intended procedures and purposes. Usage, procedure and application happens outside of our possibilities of control and this lie outside our responsibility. Should nevertheless arise a liability it shall be limited to the value of the delivered and used product of our manufacture. We guarantee of course the faultless quality of our products in accordance with the general conditions of sale and delivery.