

LIQUID FLUX C270.3

PRODUCT DESCRIPTION

Flux C270.3 is a halogen free flux, used in the assembly business of electronic production. It was especially developed for the use in the SMT and fine pitch technology. C270.3 is halogen-free activated and therefore particularly suited to create residue free PCB surfaces. Due to the especially developed activating and solvent system, it is practically not possible to leave corrosive or conductive residues on the PCB-surface after soldering.

Because of these new characteristics, Flux C270.3 enables to reduce costs drastically in the fine pitch application, in the area of 0,5mm, 0,4mm and 0,3mm. The specific chemical composition ensures furthermore extremely good values of the surface insulation resistivity (SIR). For high integration of electronic compounds, Flux C270.3 provides all characteristics as fixed in ISO 9454-2 resp. DIN EN 29454-1. In addition, a much higher SIR-value is achieved when measured at raised temperatures and at high humidity. Due to this reason, Flux C270.3 is applicable to sophisticated electronic applications.

PRODUCT CHARACTERISTICS

- suitable for leaded soldering and lead free soldering
- resin and halogen free
- spraying
- No-Clean
- suitable for In-Circuit-Test
- highly activated

In accordance with:

DIN EN 29454-1: 2.2.3.A

ANSI J-STD-004/ -005: ORLO

AREA OF USE

Flux C270.3 is suitable for the assembly of electronic devices 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

Flux C270.3 can be used in soldering machines with spray-fluxer. The application of flux to the printed circuit boards is made with spraying equipment.

PHYSICAL PROPERTIES AND DATA

General Properties	Flux C270.3
Acid value	27,5 ± 3 mg KOH / g
Density	0,812 ± 0,002 g / ml
Water	3,94 ± 0,5 %

STANDARD PACKAGING

Different sizes in plastic jars (typically 2,5 – 10 – 25 l)

SHELF LIFE

24 months (provided proper storage at 10-20°C in originally sealed container).

CLEANING

Since the PCB surfaces are generally residue-free after soldering when using the Flux C270.3 cleaning is not required after soldering. There are some specifications calling for cleaning. If cleaning is required for optical or technical reasons the residues can be removed in conventional cleaning processes. For cleaning, Stannol cleaner Flux-Ex Post is recommended.

HEALTH AND SAFETY

Read the material safety data sheet before use and observe the safety precautions described.

DISCLAIMER

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.