

Flux and protective lacquer

KONTAKT CHEMIE Flux SK 10

Description:

Lacquer-like flux solution on a base of natural resins with no additives
Type F-SW31, to DIN 8511 T2

General properties and applications:

KONTAKT CHEMIE Flux SK 10 forms an evenly spreading, transparent protective film. Soft-solderable metals (e.g. copper, tin, lead, brass, steel) are protected against corrosion. Solderability is maintained, the protective film does not need to be removed prior to soldering, since it also acts as a highly effective flux.

KONTAKT CHEMIE Flux SK 10 is used e.g. in the interim storage of bare PCBs and for parts intended for soldering up, such as solder terminals or cable shoes. It is used to maintain the solderability of lead cast parts (accumulator manufacture) and semi-finished products made from non-ferrous heavy metals.

Technical data

Aerosol		
Flash point		< 0 °C
Density at 20 °C	FEA 605	0.820 g/cm ³
Coverage at 15 µm film thickness	calculated	0.7 m ² / 200 ml can
Bulk		
Flash point	DIN 51 755	< 0 °C
Density at 20 °C	ASTM D 891	0.81 g/cm ³
Coverage at 15 µm film thickness	calculated	4.7 m ² / l

Dry film properties		
Flux type	DIN 8511 T2	F-SW31
Colour		Transparent, colourless-yellowish
Drying time	In House method	30 min
Usable temperature range	In House method	0 °C to 60 °C

Application instructions:

KONTAKT CHEMIE Flux SK 10 is best used from an aerosol for **small series** and service applications. Unusually for lacquers, the spray is filled with the environmentally friendly propellant carbon dioxide. With this product, it is not necessary to clean the valve by spraying the can upside-down!

For **series applications** KONTAKT CHEMIE Flux SK 10 can be applied in the delivered form with a paint brush, by dip-coating or spraying. In the case of immersion-coating the immersion time and withdrawal speed should be fixed. The faster the withdrawal speed, the thicker the film.

KONTAKT CHEMIE Flux SK 10 is used for temporary corrosion protection and to maintain the solderability of soft-solderable metals. The resin used, protects against corrosion in dry environments and prevents the metals from coming into direct contact with dust, dirt and fingerprints. The lack is also frequently used as a protective coating for PCBs which are mainly used in dry environments. In very damp environments, however, the resin undergoes slow hydrolysis, as a result the good corrosion protection properties and electrical properties are lost. For such applications we recommend using the proven PCB protective coating KONTAKT CHEMIE Plastik 70, KONTAKT CHEMIE Urethane 71 or KONTAKT CHEMIE Silisol 73.

If other coatings are to be applied after the soldering process, the film of solderable lacquer must be removed. Cleaners based on alcohols, glycol ethers or hydrocarbones such as KONTAKT CHEMIE Label Off 50 are best for this. For smaller piece numbers the spray cleaner KONTAKT CHEMIE Kontakt PCC is highly recommended.

When using KONTAKT CHEMIE Flux SK 10 the workplace must be well-ventilated. Installations must be suitable for the use of lacquers with flammable solvents. Additional safety information can be found in the safety data sheet.

Available

Aerosol : 200 ml, 400 ml

Bulk : 1 L, 5 L

These values are not intended to be used as specifications. They are based on what we believe reliable. However it is the user's responsibility to determine the suitability.



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