

## Protective Coatings for PCBs



(GB) Flux SK 10 200ml  
(D) Lotlack SK 10 200ml

Lacquer-like flux solution on a base of natural resins with no additives. 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. 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 parameters:**

**Coverage at 15µm film thckn.:** 0,7m<sup>2</sup>/200ml  
**Colour:** transparent, colourless-yellowish  
**Drying time:** 30min  
**Usable temperature range:** 0°C up to 60°C  
**Packaging:** 12pcs

Part No.	Ord. No.
s FLUX SK 10 200ml	33238

(GB) Kontakt PCC 200ml  
(D) Kontakt LR 200ml

The solvent mixture in KONTAKT CHEMIE Kontakt PCC is especially designed for the fluxes such as are used in electronics manufacture. For the dissolving of heavily burnt-on residues such as occur in brazing, the aerosol is fitted with a special brush type spray head. Kontakt PCC also has a strong cleaning power for other resin-like contaminations and greasy residues. It is also suitable therefore for the cleaning of small precision-engineered components and for the preparation of joints. For this, it dries very cleanly, leaving virtually no residue.

To remove residues of flux, first wet the brush and then spray the product on while brushing with a gentle pressure over the printed circuit board. In doing so, hold the board as vertically as possible and work from top to bottom. For optimum results, carry out the procedure twice. In the case of single soldered joints, particularly those which are very strongly bonded, press briefly on the spray head until the brush is well soaked with the solvent. Rub gently with crosswise motion across the soldered joint until the flux dissolves. Then wash the joint and the area around it with copious amounts of KONTAKT CHEMIE Kontakt PCC.

Important: Always wet the brush with Kontakt PCC before brushing otherwise static charges may be generated. The perfect appearance of the circuit board can be achieved by coating it with KONTAKT CHEMIE Plastik 70.

**Packaging:** 12pcs

Part No.	Ord. No.
s KONTAKT PCC 200ml	40154



Plastik 70

Anti corrosion product - universal conformal coating for printed circuit boards. A quick drying, transparent acrylic resin based, transparent insulating coating. Protects against normal atmospheric influences. Fixes vibrating components.

**Technical parameters:**

**Coverage at 15µm film thckn.:** 1m<sup>2</sup>/200ml  
**Drying time:** 15-20min  
**Colour:** colourless  
**Packaging:** 12pcs

Part No.	Ord. No.
s PLASTIK 70 200ml	33228
o PLASTIK 70 400ml	33229

Please find easy instructions  
for the production of printed circuit boards  
in the Download section at [www.soselectronic.sk](http://www.soselectronic.sk)



Positiv 20

KONTAKT CHEMIE Positiv 20 is a classic liquid photo-resist for a wide variety of applications. The product can be applied anywhere where patterns must be transferred directly onto working materials for processing by etching, electroplating, etc. Typical applications are the production of printed circuit boards, a range of photo-lithographical processes on metals, glass and suitable synthetic materials.

The lacquer is at its most photo-sensitive at close ultra-violet range (UVA). The lacquer should therefore be applied in yellow light. Positiv 20 is resistant to oxidizing agents, ammoniacal to strongly acidic solutions. Coats of Positiv 20 which are no longer required can be easily removed (stripped) by solvents (Ester, Ketone) or 10 to 30 % sodium or potassium hydroxide aqueous solution.

**Technical parameters:**

**Colour:** blue, transparent  
**Coverage at 8µm film thickness:** 1m<sup>2</sup>/200ml  
**Max. spectral photo-sensitivity:** UVA, 340nm - 420nm  
**Typical thickness recommended:** 6-8µm  
**Drying time:** 24hrs at 20°C  
15mins at 70°C  
NaOH 7g/l

**Developer:**

(Developing time approx. 1min. at room temperature.)

**Recommended etching agents:**

**Copper, brass:** FeCl<sub>3</sub> 400g/l (35-40%) 40°C  
**Aluminium:** FeCl<sub>3</sub> 400g/l (35-40%) room temp.  
**Steel, zinc:** HCl (10%)  
**Silver:** HNO<sub>3</sub> (65%)  
**Glass:** Hydrofluoric acid 40% room temp.  
**Solvent:** acetone, methyl-ethyl-ketone  
**Packaging:** 12pcs

Part No.	Ord. No.
s POSITIV 20 100ml	33240
s POSITIV 20 200ml	33241

(GB) Transparent 21 200ml  
(D) Pausklar 21 200ml

KONTAKT CHEMIE Transparent 21 makes papers with circuit diagrams, tables, etc. transparent and therefore permeable to visible light and UV light. Transparent 21 makes paper documents translucent, allowing them to be used directly for the production of printed circuits with the positive photo resist Positiv 20. The transparent spray therefore replaces time-consuming repro work.

To produce transparent paper documents, spray these generously with Transparent 21. Transparency is retained at room temperature for 20 - 30 minutes and must then be refreshed. When producing printed circuits Transparent 21 can be sprayed directly onto the plate coated with the photocopy lacquer Positiv 20. Then place the circuit document with the printed side and press down gently. Remove air bubbles by smoothing down. Then process (weighting down with a glass plate can be omitted). To develop the processed exposed board Transparent 21 should be removed under running water.

**Technical parameters:**

**Appearance:** colourless liquid  
**Odour:** solvent smell  
**Drying time:** cca 20min.  
**Packaging:** 12pcs

Part No.	Ord. No.
s TRANSPARENT 21 200ml	33242



Urethan 71 200ml

KONTAKT CHEMIE Urethan 71 has been specially developed for the anti-corrosion protection of printed circuit boards. The product has excellent electrical properties. Urethan 71 provides protection particularly in a hot and humid environment. For optimum protective action the coating must have undergone almost complete curing (90%) before the equipment is started up.

Because of its aesthetic properties and good adhesion to many materials, the coating can also be used to provide decorative and transparent protection for everyday metal articles such as jewellery, signs, items of furniture. The slightly yellow coloration enhances the aesthetics of surfaces of non-ferrous metals.

**Solvent:** acetone, alcohol

**Technical parameters:**

**Coverage at 20µm film thckn.:** 1m<sup>2</sup>/200ml  
**Temperature resistance:** -40 °C to +120 °C  
**Packaging:** 12pcs

Part No.	Ord. No.
s URETHAN 71 200ml	33232