

# LIQUID FLUX P770

Halogen and rosin free flux

## PRODUCT DESCRIPTION

P770 is a halogen free flux, used in the assembly business of electronic production. P770 is especially developed for the use in the SMT and fine pitch technology. P770 is halogen free activated and is 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, P770 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 (S.I.R.). For high integration of electronic compounds, P770 provides all characteristics as fixed in DIN EN 29454-1. In addition, a much higher S.I.R.-value is achieved when measured at raised temperatures and at high humidity. Due to this reason, P770 is applicable for high sophisticated electronic applications.

## PRODUCT PROPERTIES

- rosin free
- halogen free
- No-Clean
- highly activated
- for spraying
- good wetting

In accordance with:      DIN EN 29454-1: 2.2.3.A  
                                       ANSI J-STD-004: OR L0

## APPLICATION

P770 is suitable for the production of high-qualified commercial electronic (OEM, communication, military, air- and space electronics). Of course, it ensures, also in fields like radio, television, domestic units and in the automobile industry, best soldering results. Its excellent characteristics are very helpful to optimize the SMD production.

P770 is suitable for soldering machines with spray-fluxer. P770 work in normal (open) as well as in closed (i.e. rinsed with N<sub>2</sub>) wave soldering machines.

## PROCESSING PARAMETERS - RECOMMENDATION

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

## CLEANING

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Since the PCB surfaces are generally residue-free after soldering with P770, cleaning is not required after soldering. There are some specifications calling for cleaning. In such cases, we recommend one of our cleaners. This cleaner removes all residues and provides high resistivity.

## PHYSICAL PROPERTIES

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<b>Specific Density 20°C</b>	0,808 g/cm <sup>3</sup>
<b>Solid Content</b>	2,3 %
<b>Acid Value</b>	18,9 mg KOH /g
<b>Color</b>	clear

## DELIVERY FORMS

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

## HINT

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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.