



# LIQUID FLUX SF1000

No-Clean Flux for soft soldering

## DESCRIPTION

Low solid No-Clean flux for selective soldering

Stannol SelectivFlux 1000 was developed for selective soldering of electronic assemblies. The reduced solid content in combination with especially aligned halide free activators provides excellent wetting on different surfaces (such as OSP, Ni/Au, HAL) with most lead-free solder alloys. This flux can also be used for other soldering methods such as wave or dip soldering.

## CHARACTERISTICS

The flux offers the following advantages:

- **No-Clean**
- **Low amounts residues after soldering**
- **Resin-free**
- **Optimised solid content - fast wetting**
- **Wide process window**
- **Perfect filling of through holes.**

## APPLICATION

Stannol SelectivFlux 1000 is developed to be used in common spray or micro drop flux systems, which are used in selective soldering equipment. The preheat temperature should be at least 70-120°C measured on the surface of the circuit board, the preheat time should be at least 60-180 seconds. This temperature ensures the evaporation of the solvent and a sufficient activation of the flux. The optimal preheating temperature may need to be determined based on the thermal requirements of used equipment and PCBA. SF1000 shows good wetting at soldering temperatures in the range of 260-320°C.

## PHYSICAL PROPERTIES AND DATA

GENERAL PROPERTIES	LIQUID FLUX SF1000
<b>Colour:</b>	colourless
<b>Density at (20°C):</b>	0.809 g/cm <sup>3</sup>
<b>Solid content:</b>	2.5%
<b>Acid value:</b>	21.0 mg KOH/g
<b>Halide content:</b>	none
<b>Thinner:</b>	Stannol VD-500
<b>J-STD-004:</b>	ORL0

## **SHELF LIFE**

---

2 years after date of production (provided proper storage in originally sealed container).

## **HEALTH AND SAFETY**

---

Before using please read the material safety data sheet carefully and observe the safety precautions described.

## **NOTICE**

---

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.