



SOLDER PASTE SC BLF01

ISO 1.2.3.C; J-STD-004 RE L0

The solder paste SOLDER CHEMISTRY SC BLF01 is a high tech product designed for the new generation of SMD technology. Many years of experience in the SMT field and well-funded knowledge in polymers chemistry were part of a complete development for the future. The SC BLF01 is like all SMT solder pastes a homogeneous mixture of solder powder, in all required alloys and grain sizes, and an organic flux based on synthetic rosin, corresponding to RE L0 according to J-STD-004 and ISO 1.2.3.C (F-SW 33) DIN 8511. **Absolutely halogen free** does not mean the SC BLF01 is it not only after the reflow, but already **free of all halogens** in the solder paste.

As metals **all lead free solders** in the melting point from 160°C to 260°C are available. Of course not only the powder class III but also the classes II, IV and V are available.

Lead free alloys, in spite of their higher melting temperatures, can be treated very well with a **synthetic flux**. Synthetic rosins offer the advance that they **nearly do not pollute reflow systems**, as they, contrary to nature and modified nature rosins, don't form any crack products, as they are fundamentally stable at higher temperatures.

The solder paste SC BLF01 distinguishes itself through an **excellent slump** not only at room temperature, but also in the pre-heat phase, and therefore has excellent qualifications for **Fine Pitch** – applications.

The synthetic basis guarantees **no side balls building** at passive components, as well as no solder balling.

A **long working time** during the whole time of production is assured.

A glasslike residue, which does not spread itself on the area of the solder, but accumulates at the solder edges, guarantees a **non-problematic „In-Circuit-test“**. Polluted testing needles belong to the past.

The **synthetic organic basis** guarantees a constant organic product. Fluctuations given through the components of nature in natural or natural modified rosins are impossible.

A **constant outstanding printing quality** thanks to a high printing strength is assured from the first to the last print on all conventional printing systems and all other systems like **Proflow, Rheomatic Pumphead and Crossflow**.

SC BLF01 is able to be used on all **reflow systems** without problems and the best soldering results.

