# **Product Information**



#### ELSOLD Dip Solder paste LB\_E\_120813

## ELSOLD Lead-bearing DIP Solder Paste Sn63Pb37

Page 1/2

## Product Description

ELSOLD Dip Paste is a mildly activated lead-bearing solder paste designed for dip application. BGA's and components with Gull Wing leads or similar can be easily charged with solder paste and flux by predefined dipping process. Compared to dispensing dipping is much faster and safes production time. Moreover likelyhood of bridging is clearly reduced due to less applied solder paste and solder. By adding solder probability for cold joints caused by uneven substrates is strongly reduced. Depth of immersion is determined by geometrical shape of connections. Component bodies must not come into contact with the dip paste.

**ELSOLD** Dip Paste provides

- Very good wetting on most surfaces
- Optimal application control
- High aktivity on all substrates
- Long open time
- High slump resistance

#### Test Results

Tack Time > 8 h Solder-Ball-Test (IPC-TM 650, Method 2.4.43): pass Copper-Mirror-Test: L (IPC-TM-650, Method 2.3.3): pass Silver-Chromate-Paper-Test (IPC-TM-650, Method 2.3.35.1): pass

- Good tackiness
- Flux classification J-STD-004: ROL1
- Suitable for all soldering methods with indirect heating

### Surface Insulation Resistance

#### Physical Properties

Data for Sn63Pb37, 70 % Metal, Powder type 5: 10 - 25  $\mu m$  Viscosity: 250 – 350 Pa.s

Alloy	Sn %	Ag %	Cu %	Melting point/-range °C
Sn63Pb37	96.5 ±0.5	3.0 ±0.2	0.5 ±0.2	219









Dipped

Placed

Soldered



## ELSOLD Lead-free DIP Solder Paste SAC305

Page 2/2

## Application

ELSOLD Dip Solder Paste is applied by dipping connections into the paste. Immersion depth can be defined by stencil printing using a stencil of the appropriate thickness or by programming immersion depth with an automatic repair system.

Dip Paste contains very fine solder powder. Therefore solder paste should be allowed to reach room temperature before opening containers to avoid condensation of moisture on the cold material. After use container must be closed thoroughly. Never put used paste back into the jar.

## Packaging

Jars of 100, 250, or 500 g resp. Other packages available on request

## Storage and Shelf Life

Jars: 6 months max, in un-opened original containers at 6 - 16 °C

### Reflow Profile

Typical Temperature Profile for lead-free solder alloys, which can be used as starting point for own process optimisation.



The information contained herein is based on technical data that we believe to be reliable and is intended for use by persons having technical skill at their own risk. Users of our products should make their own tests to determine the suitability of each product for their particular process. ELSOLD will assume no liability for results obtained or damages incurred through the application of the data presented.