



ELSOLD® Flux

ELSOLD® supplies a complete range of high-quality fluxes, specially manufactured to meet the toughest industry requirements. In addition to the solder alloy, the most important factor in ensuring a soldering process of a consistently high quality is the flux.

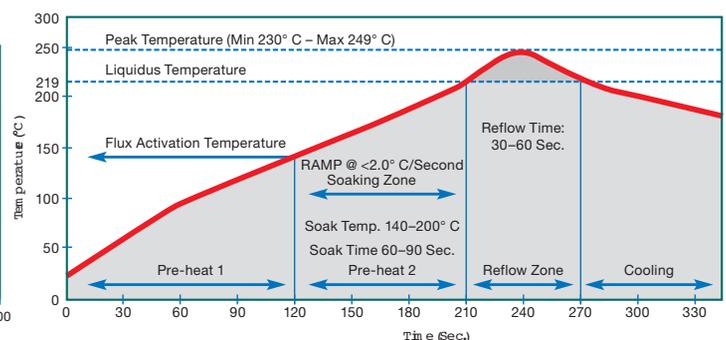
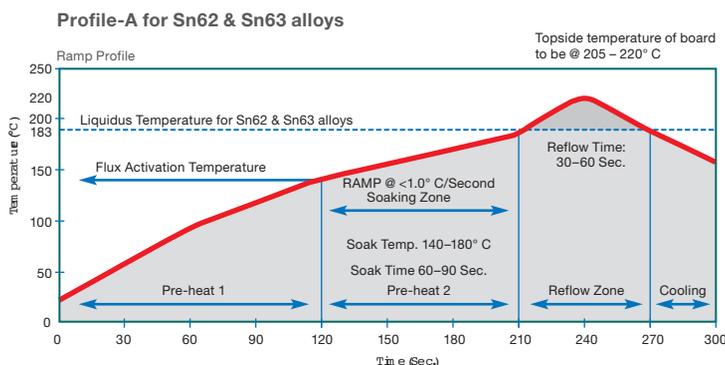
It must prepare the surface to be soldered for the actual soldering process as well promote wetting. Furthermore, following soldering the flux should have largely evaporated - without leaving behind any resistance-lowering or corrosive residues on the circuit boards.

• ELSOLD® Paste Flux - Tacky Flux

The pasty fluxes (Tacky Flux) from ELSOLD® are suitable for a wide range of applications in electronics manufacturing. Pasty fluxes combine the advantages of SMD adhesives and fluxes. Thanks to their good adhesive properties the components are held in position until the soldering process. The fluxes are effective with existing solder depots, however additional solder can also be introduced, e.g. in wire form.

Our fluxes can be applied by means of dispensers, screen or template printing as well as by immersion or tampon and brush application. The flux is highly adhesive, has excellent wetting properties, a broad process window and a high degree of compatibility with all standard circuit board surfaces. It is also perfect for all "rework applications".

Flux	Flux type	DIN EN 61190-1-1	Packaging [cc]	Application	Order number
AP-10	no clean	RELO	10	Lead and high lead content solder	EL09 0040
AP-20	no clean	RELO	10	Lead-free solder, especially reliable	EL09 0057
NC 559AS	no clean	RELO	10	especially light residue	EL09 0032
SM 388	no clean	RELO	10	Lead-free & lead-containing processes	EL09 0039
NWS 4200	water soluble	REM0	10	Can be washed off with water	EL09 0006



Picture: Flux delivery form

Delivery forms: Syringes 10 cc / 30 cc
 Cans 90 g / 180 g
 Cartridges 150 g



Syringes and Cartridges



Cans





• ELSOLD® Flux

Flux	Container [l]	Solid content [%]	Flux Basis	Flux Basis	DIN EN 61190-1-1	Application	Order number
1003NC	10	5.9	Rosin-free Organic	Solvent-based	ORL0	Tinning of cables in dip soldering process	EL10 0055
1004NC	20	2.0	Rosin-free Organic	Solvent-based	ORL0	Tinning of cables in dip soldering process, General electronics	EL10 0108
2000NC	20	2.9	Contains rosin, Organic	Solvent-based	ORL0	General electronics	EL10 0040
2000M NC	20	2.9	Contains rosin, Organic	Solvent-based	ORL0	General electronics, Automotive electronics Telecom; standard and lead-free solder alloys	EL10 0110
2001NC	20	2.6	Contains rosin, Organic	Solvent-based	ORL0	Wave soldering of lead-free alloys. Low residue level.	EL10 0116
2001NC	10	2.6	Contains rosin, Organic	Solvent-based	ORL0	Wave soldering of lead-free alloys. Low residue level.	EL10 0115
2001M NC	20	1.9	Organic	Solvent-based	ORL0	General electronics	EL10 0013
3002M NC	20	2.9	Organic	Water-based VOC-free	ORL0	General electronics, Automotive electronics, Telecom; standard and lead-free solder alloys, Sprayflux	EL10 0109
3003NC	20	2.9	Organic	Water-based VOC-free	ORL0	Wave soldering of lead-free alloys. Low residue level.	EL10 0117
Flussmittel 045	10	17/45	Rosin-based	Solvent-based	ROL0	General electronics	EL10 0091
Flussmittel 110	20	6.2	Contains rosin,	Solvent-based	ORL0	General wave soldering	EL10 0002
Flussmittel 177	10	45	Contains rosin,	Solvent-based	ROL0	General electronics	EL10 0003
Flussmittel 356	20	17	Rosin-based halide-free	Solvent-based	ROL0	General electronics, drag soldering, dip soldering, wave soldering of printed circuit boards	EL10 0006



Highlight



Rework Flux Solutions!

ELSOLD supplies a complete range of high-quality fluxes, specially manufactured to meet the toughest industry requirements.

In addition to the solder alloy, the most important factor to ensure a solder rework process of a consistent and reliable quality is the flux. It must prepare the surface to be soldered for the actual rework process and promote proper wetting.

Furthermore, following reflow the flux should have evaporated without leaving any resistance-lowering or corrosive residues on the circuit boards.



• ELSOLD® Rework Flux fluid

Name	DIN EN 61190-1-1	Acid number	Packaging	Order number
ELSOLD® 200R	ORL0	24 mg KOH/g	Filled Flux Pen	EL10 0078
ELSOLD® 200R	ORL0	24 mg KOH/g	Flux Bottle 25 ml	EL10 0079
ELSOLD® 400R	ROL0	70 mg KOH/g	Filled Flux Pen	EL10 0080
ELSOLD® 400R	ROL0	70 mg KOH/g	Flux Bottle 25 ml	EL10 0081

Test Method	Test Results	IPC-Test Method
Copper Mirror Test	Pass	IPC-TM-650 2.3.32
Silver Chromate Paper Test	Pass	IPC-TM-650 2.3.33
Halide, quantitative	0,0%	IPC-TM-650 2.3.35
SIR Test	Pass	IPC-TM-650 2.6.3.3
Corrosion Test	Pass	IPC-TM-650 2.6.15

Picture: Rework Flux delivery forms



Filled Flux Pen



Flux Pen,
Flux Bottle



Flux Bottles





Highlight



Rework Flux Solutions!

The pasty fluxes from ELSOLD® (gel flux / tacky flux) like AP 40, are suitable for a wide range of rework applications. Pasty fluxes combine the advantages of SMD* adhesives and fluxes. Due to this fact the components are held in position until the rework process is finished. The fluxes are effective with existing solder depots as well as the separate dispensing of solder. The flux is highly adhesive, has excellent wetting properties, a broad process latitude

and a high degree of compatibility with all standard circuit board surfaces e.g. perfect for Rework-Applications. This applies to leaded and lead free alloys and processes.

* SMD-Surface Mounted Device

• ELSOLD® Rework Flux pasty

Name	DIN EN 61190-1-1	Viscosity	Packaging	Order number
ELSOLD® AP-40	RELO	150 Pa.s	Syringe 5 ccm	EL09 0003
ELSOLD® AP-40	RELO	150 Pa.s	Syringe 10 ccm	EL09 0012
ELSOLD® AP-40	RELO	150 Pa.s	Jar 250 ccm	EL09 0013
ELSOLD® FRA-01	Flux remover for printed circuit boards		Spray can 0.4 l	EL12 0003

Test Method	Test Results	IPC-Test Method
Copper Mirror Test	Pass	IPC-TM-650 2.3.32
Silver Chromate Paper Test	Pass	IPC-TM-650 2.3.33
Halide, quantitative	0,0%	IPC-TM-650 2.3.35
SIR Test	Pass	IPC-TM-650 2.6.3.3
Corrosion Test	Pass	IPC-TM-650 2.6.15

Picture: Pasty Rework Flux delivery forms



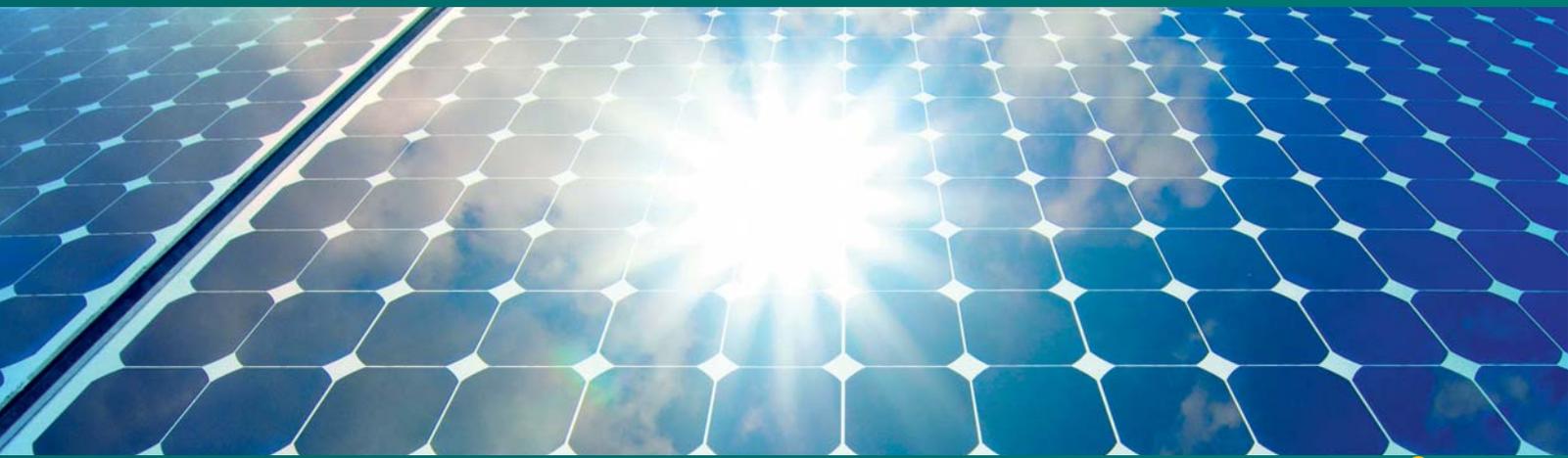
Syringe 5 ccm & Syringe 10 ccm



Refill jars



ELSOLD® Cleaner Spray cans



Highlight Flux for the Solar Industry



- particularly developed for solar module production
- all fluxes are halide-free
- approved by notable manufacturers



• ELSOLD® Flux - Solar Industry

Flussmittel	Container [l]	Solid content [%]	Product description	Product description	DIN EN 61190-1-1	Use	Order number
1004S	10	2	Rosin-free Organic	Solvent-based	ORL0	Soldering processes in the solar industry	EL11 0119
2001S	10	1.7	Organic	Solvent-based	ORL0	Soldering processes in the solar industry	EL11 0120
3003S	10	2	Rosin-free Organic	Water-based	ORL0	Soldering processes in the solar industry	EL11 0121

Picture: Delivery forms Flux



20 l canister



10 l canister



5 l canister

