

Technical Product Information

ELFLUX Fluxes Overview

TEG manufactures a broad range of fluxes for nearly any application in electric and electronic industries. Selection of an appropriate flux has to take many objects into consideration, like soldering process, solder alloy, materials to be joined, condition of components, requirements on finished product and much more items. We will gladly assist you.

Overview ELSOLD Fluxes

Flux designation	Classification per J-STD-004	Flux base Solid content	Typical Use
ELFLUX 1000 NC	ORLO	Solids 2 % Rosin/resin free Organic, Solvent based	General Electric, electronics Automotive, Telecom
ELFLUX 1002 NC	ORLO	Solids 2 % Rosin/resin free Organic, Solvent based	General Electric, electronics Automotive, Telecom
ELFLUX 1003 NC	ORLO	Solids 5.9 % Rosin/resin free Organic, Solvent based	Cable tinning
ELFLUX 1004 NC	ORLO	Solids 2 % Rosin/resin free Organic, Solvent based	SMT General Electric, electronics Automotive, Telecom
ELFLUX 1025	ORLO	Solids 2.4 % Rosin/resin free Organic, Solvent based	SMD-Technology Spray flux
ELFLUX 1026 NC ELFLUX 1027 NC	ORLO	Solids 2.4 % Solids 3.3 %	Version of 1025 NC for foaming Further increased activity of 1025 NC
ELFLUX 2000 NC	ORLO	Solids 2.9 % Contains Resin Organic, Solvent based	General Electric, electronics Automotive, Telecom Lead and lead-free process
ELFLUX 2000M NC	ORLO	Solids 2.9 % Contains Resin Organic, Solvent based	General Electric, electronics Automotive, Telecom Lead and lead-free process
ELFLUX 2001 NC ELFLUX 2001V NC 3 % ELFLUX 2001V1 NC 3.4 %	ORLO	Solids 2.6 % Contains Rosin Organic, Solvent based	General Electric, electronics Automotive, Telecom Lead and lead-free process
ELFLUX 2002 NC	ORLO	Solids 2.1 % Contains Resin Organic, Solvent based	General Electric, electronics Especially for Selective soldering Lead and lead-free process
ELFLUX 2003 NC	ORLO	Solids 5.2 % Contains Resin Organic, Solvent based	General Electric, electronics For components more difficult to solder Lead and lead-free process
ELFLUX 2004 NC	ORLO	Solids 3.9 % Contains Rosin Organic, Solvent based	General Electric, electronics For components more difficult to solder Lead and lead-free process
ELFLUX 3000-97 NC	ORLO	Solids 2.8 % Organic Water based / VOC-free	General wave soldering Spray flux Lead and lead-free process

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ELSOLD 3000-98 NC	ORLO	Solids 3.2 % Organic VOC-reduced	General wave soldering Spray flux Lead and lead-free process
ELSOLD 3001 NC	ORLO	Solids 3.1 % Organic Water based / VOC-free	General wave soldering Spray flux Lead and lead-free process
ELSOLD 3002M NC	ORLO	Solids 2.9 % Organic Water based / VOC-free	General wave soldering Spray flux Lead and lead-free process
ELFLUX 3003 NC	ORLO	Solids 2.9 % Organic Water based / VOC-free	General wave soldering Spray flux Lead and lead-free process
ELFLUX 3007 NC	ORLO	Solids 3.5 % Organic Water based / VOC-free	Copper OSP, Ni/Au Spray flux Lead and lead-free process
ELSOLD Flux 045	ROLO	Solids 45 % and 17 %, resp. Pure Rosin Solvent based	Non activated Flux Avionic, Aerospace High reliability applications
ELSOLD Flux 110	ROLO	Solids 6.2 % Resin based Organic, Solvent based	General wave soldering General Electric, electronics
ELSOLD Flux 177	ROLO	Solids 45 % Rosin based Organic, Solvent based	General Electric, electronics General wave soldering
ELSOLD Flux 252	ROLO	Solids 17 % Resin based Organic, Solvent based	General Electric, electronics General wave soldering
ELSOLD Flux 356	ROLO	Solids 17 % Resin based Organic, Solvent based	General Electric, electronics General wave soldering
ELSOLD Flux 850	ROM1	Solids 40 % Rosin based Organic Solvent based Contains Halides	General Electric, electronics For components more difficult to solder Lead and lead-free process Cable tinning, Repair
ELSOLD Flux 878	ROM1	Solids 17 % Resin based Organic Solvent based Contains Halides	General Electric, electronics For components more difficult to solder Lead and lead-free process Cable tinning, Repair
ELSOLD Flux 878V ELSOLD Flux 878M		Solids 8.5 % Solids 17 %	Modified versions of 878 Thinner Version of 878 Different activation than 878
ELSOLD Flux 880	ROM1	Solids 48 % Rosin based Organic Solvent based Contains Halides	General Electric, Electronics For components difficult to solder For soldering at higher temperatures and longer time

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ELSOLD Special Fluxes

Flux designation	Classification per DIN EN 61190-1-1	Flux base Solid content	Typical Use
ELSOLD 1005S	ORM0	Solids 16 % Organic, Halide-free Solvent based	Spray, Dip, Brush Lead and lead-free process Capacitors
ELSOLD A990	INH1	Solids 38 % Inorganic, Halide containing Water based Water soluble	Highly active Solders to mild Steels Auf Basis von Zn- und NH4Cl Cleaning required
ELSOLD 6000	ORM1	Solids 30 % Organic, Halide containing Solvent based Water soluble	Very active Lead and lead-free process Oxidised Surfaces Reflow processes Cleaning required
ELFLUX 6001 WWSS	ORM1	Solids 9.8 % Organic, Halide containing Solvent based Water soluble	Very active Flux Dip and Roller tinning Effective on iron Cleaning required

ELSOLD Fluxes for Solar Industries

Flux designation	Classification per DIN EN 61190-1-1	Flux base Solid content	Typical Use
ELSOLD 1004S	ORLO	Solids 1.5 / 2 / 2.5 % Organic Solvent based	Spray, Dip, Brush Lead and lead-free process Solar Cells
ELSOLD 2001S	ORLO	Solids 1.9 % Organic Solvent based	Foam, Spray, Dip, Brush Lead and lead-free process Solar Cells
ELSOLD 3003S	ORLO	Solids 2.2 % Organic Water based / VOC-free	Spray, Dip, Brush Lead and lead-free process Solar Cells

Packing Sizes

ELSOLD fluxes are available in containers of 10 L or 20 L.

General Safety Precautions

ELSOLD fluxes should be used according to industrial standards of practice. For safety-related issues please refer to the Material Safety Data Sheet.

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Storage

Water based fluxes are not flammable and are therefore not subject to any restrictions regarding the stored quantity, not even near the soldering machine. They do not have to be stored in dangerous goods stores. Solvent based fluxes are highly flammable and must be stored away from all sources of ignition.

Recommended storage temperature: 5 – 25 °C.

Shelf Life

Under adequate conditions ELSOLD fluxes can be stored in original unopened containers for a minimum of 12 months.

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. TAMURA ELSOLD will assume no liability for results obtained or damages incurred through the application of the data presented.