SOLAR-FLUX
EO-S-018

Cat.-no. 6218

Flux especially for the solar industry -halide free-
ISO-9454: 2131 (2.1.3.A) / WEEE /RoHS-compliant
DIN-EN 61190-1-1 (J-STD-004), IEC: ORL0 „NO CLEAN“

This flux was specially developed for solar technology, especially for soldering solar modules, tabber and stringer material, and connecting cells.
EO-S-018 is a resin/rosin-free NO-CLEAN flux, formulated without halides and is ideally suited for use in wave, selective and hand soldering processes.
Due to its formulation, the thermostable active complex adapts to a wide variety of process conditions and, with its coordinated activation system, ensures perfect soldering results.
Despite its high alcohol content, **EO-S-018** is designed for the higher temperatures required in the manufacture of solar modules without impairing their effectiveness. The application can be done by all usual application methods (except foaming).
EO-S-018 is very low in residue and leaves no sticky residue.
The solids content is 2%.
EO-S-018 is totally free from corrosion action.

Technical specifications

Appearance:	colourless-light yellowish, transparent, liquid
Solid contents:	1,9 – 2,3%
Density (20° C):	0.794 +/- 0,003 g/ml
Acid-no.:	15 - 18 mg KOH/g
Activators:	carboxylic and dicarboxylic acids – complex with special additives
Halogen-content:	0 % (halide free)
Solvents:	short chain alcohols
VOC:	96 %
Flashpoint:	12 °C (c.c.)
Shelf life:	12 months

Safety instructions: Please refer to the current MSDS

Instructions for use:

This flux is very versatile and OPS-compatible. There are good results for manual, wave and selective soldering, as well as for cable assembly / wire tinning. The general rule of applying fluxes applied in principle as low as possible also applies to this product.

Recommendation from practice:

Sprayfluxing: If possible, try at first a quantity of 25 – 50 ml/min. and observe the distribution of the flux. After that, correct the quantity. Air-pressure: 18 – 20 l/min.

Preheating:
(If preheating system is used)
Entering the solder-wave, the temperature on the topside of the pasteboards should be 80 – 110 °C, dependent on type of boards, lay-out etc. – in case of using lead-free solders, preheating temperatures of
100 – 140 °C on the topsides are possible.

Packing units: Jerrycans with 5 and 20 litres, other packing sizes on request

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06/2023