



# SOLDERFLUX EF200 BIO PV

No-Clean flux



## PRODUCT DESCRIPTION

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EF200 Bio PV solder flux is an alcohol-based, rosin- and halogen-free, low-solids flux. It is part of Stannol's sustainable greenconnect product range. According to DIN-EN 16785-2, a 98 percent bio-based content is determined.

## PRODUCT PROPERTIES

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The product offers the following advantages:

- CO<sub>2</sub> savings
- optimised for use in photovoltaics
- low residue and non-corrosive
- suitable for immersion and spray application
- excellent peel force resistivity
- excellent wettability on solar cells
- J-STD-004 (mod.) Class ORLO

## APPLICATION

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The flux has been specially developed for the photovoltaic industry. It can be applied by spraying or dipping. Stannol EF200 Bio PV is ideally suited for both automated spray and stringer applications. Use in the hand soldering area is also possible. Stannol EF200 Bio PV meets the requirements with regard to optical cleanliness and leaves only small residues in the soldering system.

## RECOMMENDED CONDITIONS OF USE

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**Fluxing:** Stannol EF200 Bio PV can be used in spray fluxers and immersion processes. Other application methods can be tested.

**Preheating:** With every soldering process, it is important to ensure that the flux in the preheating has dried sufficiently.

**Interconnect ribbons:** Leaded and lead-free ribbons can be soldered with the flux.

**Thinner:** Stannol VD-500

**Cleaner:** Solvent-based and alkaline cleaner concentrates are recommended. The flux leaves little residues that are easy to remove. For more detailed information, please contact our application engineers: [info@stannol.de](mailto:info@stannol.de).

When changing from another flux to Stannol EF200 Bio PV, all transport equipment must be cleaned carefully.

## PHYSICAL PROPERTIES AND DATA

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| PROPERTIES      |                        |
|-----------------|------------------------|
| Colour:         | colourless             |
| Density [20°C]: | 0,80 g/cm <sup>3</sup> |
| Solids content: | 2 %                    |
| Acid number:    | 17 mg KOH/g            |

The data in the table are typical values, they do not represent a specification.

## SHELF LIFE

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2 years from the date of manufacture (with correct handling and storage between 5 and 35 °C)

## HEALTH AND SAFETY

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Read the safety data sheet and observe safety measures before first use.

## DISCLAIMER

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The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.