



## ECOLOY SERIES

Meets all requirements of the EU directives ROHS and WEEE

### DESCRIPTION

With the Exoloy Series for lead free soldering in electronics assembly and electrical engineering Stannol provides a product line, which meets all requirements of the EU directives ROHS and WEEE.

The following lead-free alloys are available from the Ecoloy series:

ALLOY	COMPOSITION*	MELTING POINT °C
<b>ECOLOY TC:</b>	S-Sn99.3Cu0.7	227
<b>ECOLOY TC300:</b>	S-Sn97Cu3	227-310 (only solder bars)
<b>ECOLOY TS:</b>	S-Sn96.3Ag3.7	221
<b>ECOLOY TSC:</b>	S-Sn95.5Ag3.8Cu0.7	217
<b>ECOLOY TSC305:</b>	S-Sn96.5Ag3Cu0.5	217-223
<b>ECOLOY TS300:</b>	S-Sn97Ag3	221-224
<b>ECOLOY TSC263**:</b>	Sn97.1Ag2.6Cu0.3	217-224
<b>ECOLOY TSC0307**:</b>	S-Sn99Cu0.7Ag0.3	217-227

\* Complying with DIN EN ISO 9453 and/or internal specifications.

\*\* These alloys are subject to minimum order quantities!

### PRODUCT SELECTION

**Solder Bars and Ingots:** The alloys listed above are available in triangular bars, kilo bars and ingots with hanging hole.

**Flux Cored Solder Wires:** Solder wires are available with Ecoloy lead-free alloys. Solid wires as well as flux cored solder wires are intensively tested in our laboratory and approved by our customers. Following types from the established Stannol solder wires are considered best for lead-free application:

SOLDER WIRE	IEC 61190-1-3 DIN EN 29454-1	FLUX CONTENT	NUMBER OF CORES
<b>HS10:</b>	ROM1 / 1.1.2	2.5%	1
<b>KS100:</b>	RELO / 1.2.3	3.0%	1
<b>KS115:</b>	REM1 / 1.2.2	3.0%	1
<b>Kristall 400:</b>	RELO / 1.2.3	2.2%	5
<b>Kristall 511:</b>	REM1 / 1.2.2	2.7%	5

**Liquid Fluxes:** For wave soldering, the fluxes EF270, EF330, EF350 and WF300S (VOC-free) have proven to be so-called "Drop-In"-products, which facilitate optimal soldering results before, during and after implementation of a lead-free process.

**Around soldering:** For your lead-free manufacturing process of course all other products like preforms, anti-oxidant-pellets and solder tip tinner/cleaner will be available in lead-free form.

## NOTICE

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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.