

PRODUCT DATA SHEET



ECOREL EASY 802 S ECOREL EASY 803 S



Low residue no-clean solderpaste

BENEFITS

➤ **EASY PROCESS** ➤ **EASY PRINTING** ➤ **EASY REFLOW**

FEATURES

- Long stencil life : more than 8 hrs.
- Abandon time on the stencil more than 6 hrs with excellent print restart.
- Printing speed : 60-150 mm/sec.
- Solderballing resistance at high % RH.
- Good wettability on all finishes.
- Stable tack : more than 16 hrs at 22°C between printing and component placement.
- No slump out by preheat.
- Slight yellow residue after reflow, ate probe compatible.
- No halogen.
- High SIR – No residue deterioration during accelerated ageing.

SPECIFICATIONS		according to C 90550	
ECOREL EASY	802S	803S	
Alloy	Sn62 Pb Ag2	Sn63 Pb	
Melting point °C	178	183	
Powder size distribution	25-45 microns		
Metal content (%)	89,5		
Residue after reflow soldering (%)	60		
Halogen content (%)	0		
Viscosity* (Pa.s at 20°C)	900		
<i>Brookfield RVT, TF at 5 RPM</i>			

FUNCTIONAL TESTS	NORM	
Flux classification	FC	C 90550
	L 0	ANSI/J-STD-004
	F-SW 32	DIN 8511
	113	ISO 9454
Solderballing test	Class 1	C 90550
Copper mirror	Pass	ANSI/J-STD-004
Chromate paper	Pass	ANSI/J-STD-004
Copper corrosion	Pass	ANSI/J-STD-004
S.I.R. OHMS		ANSI/J-STD-004
After 21 days		
85°C - 85 % RH - 50 Volts	> 10 ⁹	
End of cycle		
20°C - 65 % RH	> 10 ¹⁰	



FRANCE

Sales Department
26, Avenue du Petit Parc
94683 VINCENNES Cedex
Tél. : (33) 1.43.98.75.00
Fax : (33) 1.43.98.21.51
Fax for order : (33) 1.49.83.92.17

ESPANA

PROMOSOL DIVISION IBERICA
Las Barcas 2-6°
Puerta 19-20
46002 Valencia
Tél. : (34) 96.353.51.93
Fax : (34) 96.353.51.92

BELGIUM

Av. Carton-de-Wiart, 79
P.O. Box 2
B 1090 Bruxelles
Tél. : (32) 2.425.00.20
Fax : (32) 2.425.96.62

NEDERLAND

Ekkersrijt, 1411
5692 AL SON
Tél. : (31) 499.47.47.05
Fax : (31) 499.47.48.28

PRODUCT DATA SHEET

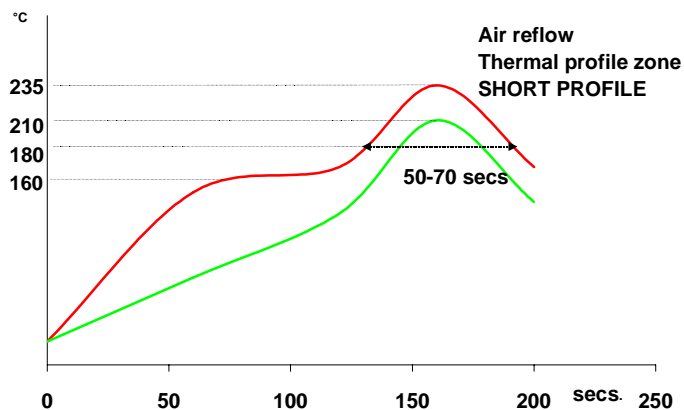


REFLOW THERMAL PROFILE

The opposite figures indicate, according to thermal mass of PCB and mounted components, the minimum and maximum areas, which have to be respected to obtain a good reflow under air without solderball.

By using a nitrogen atmosphere, you can enlarge your process window towards reflow thermal profile. This permits better wetting and coalescence.

A regular preheat temperature rise is preferable to a too long plateau, in order to avoid solderbeading to get a shining joint and a uniform residue distribution.

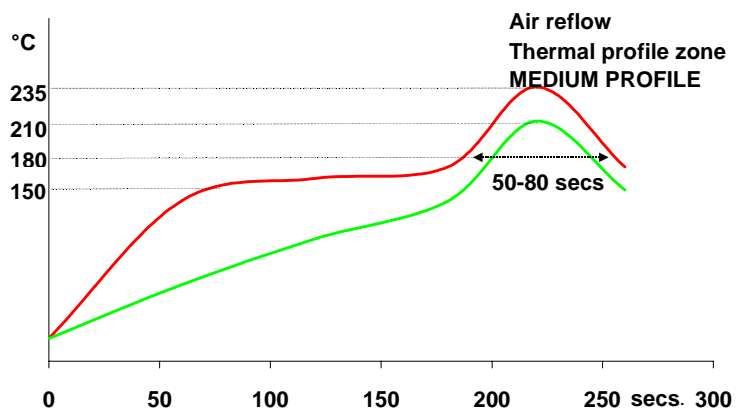


PRINTING

ECOREL EASY 802S and **ECOREL EASY 803S** solderpaste are particularly easy to stencil print down to 0.3 mm pitch and up to 150 mm/sec. squeegee speed.

SOLDERPASTE PREPARATION

Before printing, it is essential to properly mix the solderpaste, either manually with a spatula, or by doing several preliminary prints on the stencil.

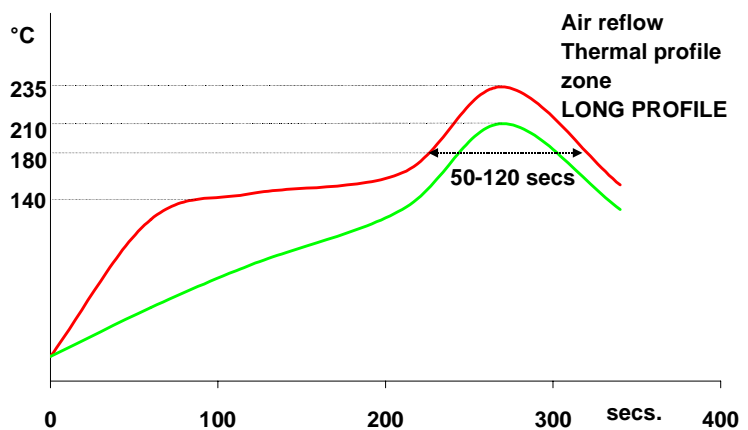


PACKAGING

- Jars : 250 g – 500 g and 1000 g
- Cartridges : 700 g and 1400 g

STORAGE

To ensure the best product performance, the recommended storage temperature range is 5°C to 10°C. A shelf life of 9 months is achieved under these conditions. For cartridges, shelf life is 6 months.



HEALTH and SAFETY

Please refer to MSDS.

The information given herewith is designed only as a guidance and is not to be considered warranty of PROMOSOL.

FPCGB 0802S 803S TSI PRO 01 – 03/01



FRANCE

Sales Department
26, Avenue du Petit Parc
94683 VINCENNES Cedex
Tél. : (33) 1.43.98.75.00
Fax : (33) 1.43.98.21.51
Fax for order : (33) 1.49.83.92.17

ESPANA

PROMOSOL DIVISION IBERICA
Las Barcas 2-6°
Puerta 19-20
46002 Valencia
Tél. : (34) 96.353.51.93
Fax : (34) 96.353.51.92

BELGIUM

Av. Carton-de-Wiart, 79
P.O. Box 2
B 1090 Bruxelles
Tél. : (32) 2.425.00.20
Fax : (32) 2.425.96.62

NEDERLAND

Ekkersrijt, 1411
5692 AL SON
Tél. : (31) 499.47.47.05
Fax : (31) 499.47.48.28