

PRODUCT DATA SHEET



ECOFREC 200

Low Residue No-Clean

Air or Nitrogen Atmosphere Flux

DESCRIPTION

ECOFREC 200 is a low residue flux recommended for SMDs soldering in an air or nitrogen controlled atmosphere when aiming at a NO-CLEAN process.

Its halogen-free activation system is eliminated after wave soldering, leaving no visible residue on the PCB.

Electrical performances are especially high after ageing in a humidity chamber, with a SIR value on interdigit IPC B 24 comb close to 10^5 Megohms under storage conditions of 21 days at 40°C, 93 % RH, 5 Volts, or 21 days at 85°C, 85 % RH, 50 Volts.

Furthermore, **ECOFREC 200** was specially developed :

- ♦ To provide a good compatibility with the various solder masks available on the market ;
- ♦ And to prevent solderballing.

SPECIFICATIONS

Density at 20°C	0.800
Flash point	16°C
Dry extract, 3 H at 105°C	2 %
Halogen content.....	0
Acid index, KOH/G mg.....	18

PROCESSING

ECOFREC 200 can exclusively be applied by spraying or atomization under air or nitrogen pressure, or with ultrasounds.

Preheating temperature must be set so as to achieve from 120°C to 140° under the PCB prior to entering the solderwave, that is 110°C to 130°C on topside of PCB.

Residue removal, and thus good cosmetic aspect of PCB will be obtained through the temperature level achieved after preheat and solderwave.

Using nitrogen allows for a higher flexibility of use when the application requires to increase preheat temperature in order to reduce thermal shock, and thus to provide for a better removal of flux residues.

And more especially, the nitrogen atmosphere provides for a significantly better soldering of components, regardless of their oxidation level.



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
Poligono Industrial Sepes
Parcela nº10 - 46500 Sagunto
Valencia
Tél. : (34) 96.266.32.11
Fax : (34) 96.266.50.25

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

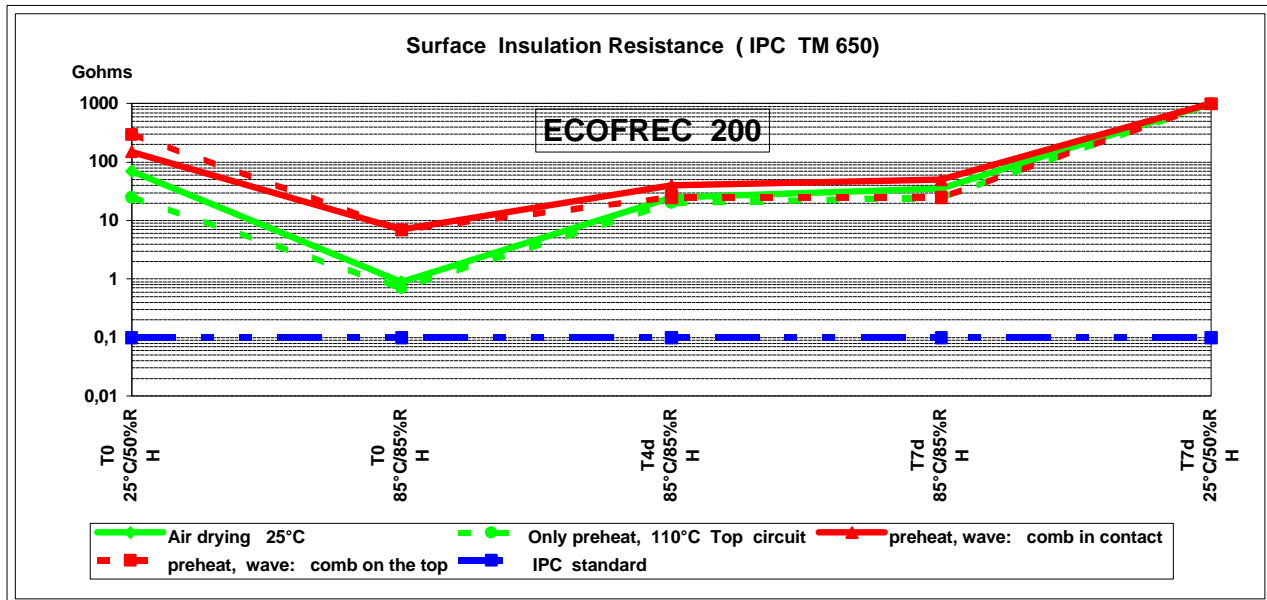
NEDERLAND
Ekkersrijt, 1411
5692 AL SON
Tél. : (31) 499.47.47.05
Fax : (31) 499.47.48.28

PRODUCT DATA SHEET



AUTOMATIC CONTROL - PINT POINT TESTER

Due to the absence of any residue after soldering, **ECOFREC 200** ensures that no electrical contact failure or "false failure" will take place during the automatic control on pin point tester.



HEALTH & SAFETY

ECOFREC 200 must be handled in a well-ventilated room, away from any flame. Also, fumes must be evacuated from flux and solder work stations by means of an efficient exhaust. Please refer to Material Safety Data Sheet.

PACKAGING AND STORAGE

- ◆ 5 and 20 liters plastic drums.

ECOFREC 200 must be stored in a cool and well-ventilated area, in securely closed packaging. Its maximum shelf life is one year long.

ECOFREC 200 must be stored at room temperature (20°C) for 12 hours before use.

The information given herein is offered as a possible helpful suggestion only. PROMOSOL assumes no liability whatsoever arising out of its use by others.

FPFGB 00200 TSI PRO 02 - 07.16/99



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
Poligono Industrial Sepes
Parcela n°10 - 46500 Sagunto
Valencia
Tél. : (34) 96.266.32.11
Fax : (34) 96.266.50.25

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