CHEMICALS FOR ELECTRONICS SINCE 1982
Address: Via Boschi Belli, 6 - 21050 Gorla Maggiore (VA) - Italy - Phone +39 0331 36871

TECHNICAL INFORMATION

LOW-SOLID, NO-CLEAN, WATER-BASED SYNTHETIC FLUX
PEGASO 50

TECHNICAL CHARACTERISTICS	
SPECIFIC GRAVITY	0.905 +/- 0.005 Kg/l at 20°C
COLOR	Trasparent
SMELL	Slightly Alcohol
% SOLID	2.5%
PH	Acid
STANDARD PRODUCTION QUANTITY	Spray:MIN 500 µg/IN^2-MAX 1900 µg/IN^2* * Depending on type of process used (LF o Pb), and depending on oxidation of PCB.
WAVE CONTACT TIME	2.5-6 Second
MAX RAMP RATE OF TOP SIDE	2.0 °C/s
CLASSIFICATION	ORL0 (IPC J-STD-004)
CORROSION	LOW (IPC-TM-650 2.6.15)
SHELF LIFE	1 year* * life is related to the product well-preserved.

DESCRIPTION

PEGASO 50 is a water-based flux. The solid part is made by particular synthetic substances with chemical physical property that make it completely degradable, and removable during the standard soldering process. The solvent part is made by a partial mixture of water and aliphatic alcohol. PCB after soldering, is completely clean. If there are some residuals, for wrong process, are neither nor corrosive or hygroscopic.

STORAGE

The product has to be considered harmful.
The flux vapours can cause throat irritation, therefore a good ventilation in the area of use is required.
In case of contact with the skin, wash with soap and then rinse with water. In case of fire CO2 or powder or foam can be used to extinguish it.
READ THE MATERIAL SAFETY DATA SHEET BEFORE USE.

APPLICATION

Due to its characteristic PEGASO 50 is used in different electronics branches. It does not require post soldering cleaning.
PEGASO 50 can be applied with the usual fluxing method and thanks to its features can be used also with low welding PCB.

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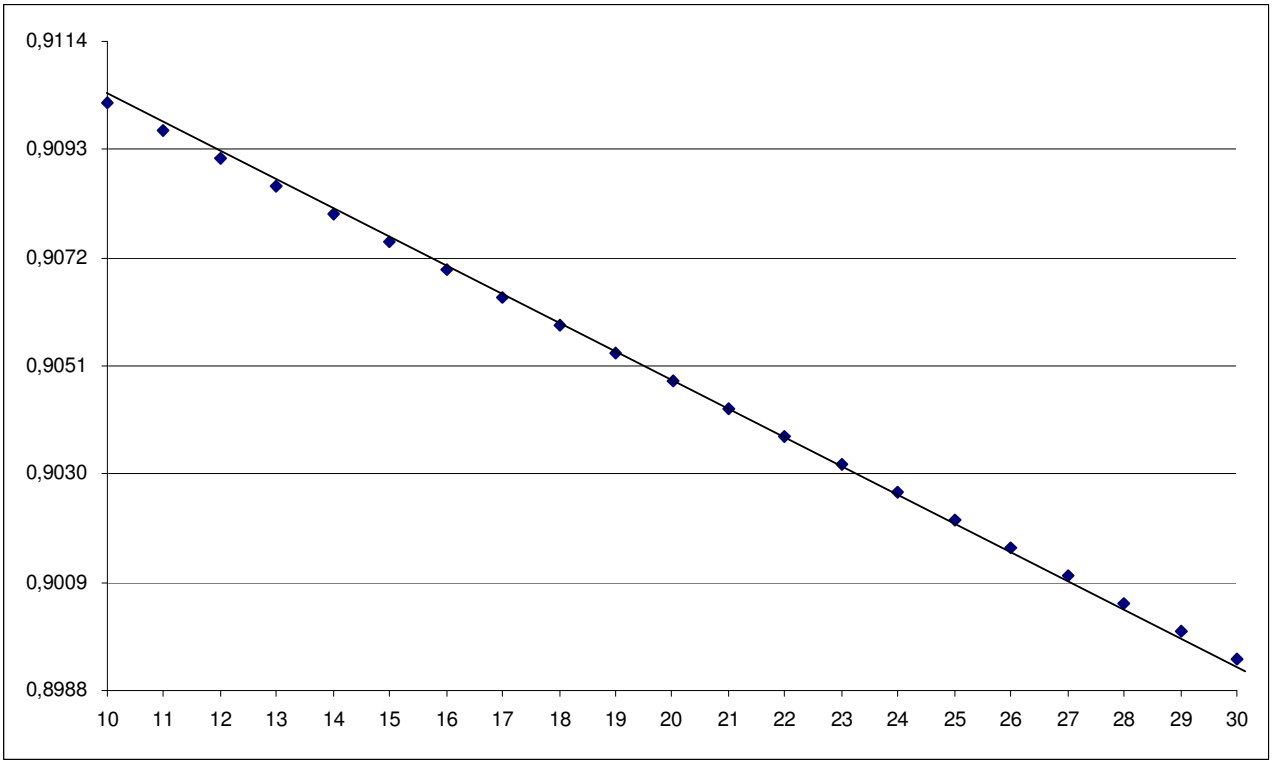
HOW TO USE

The product is ready to be used. We suggest the constant control of density and the replacement of the product after 40 working hours.

The graph 1.1 shows interpolation of values of density φ(Kg/l) of flux at different values of temperature (° C).

The average interpolation error calculated is of 0,005 kg/l.



Graph 1.1

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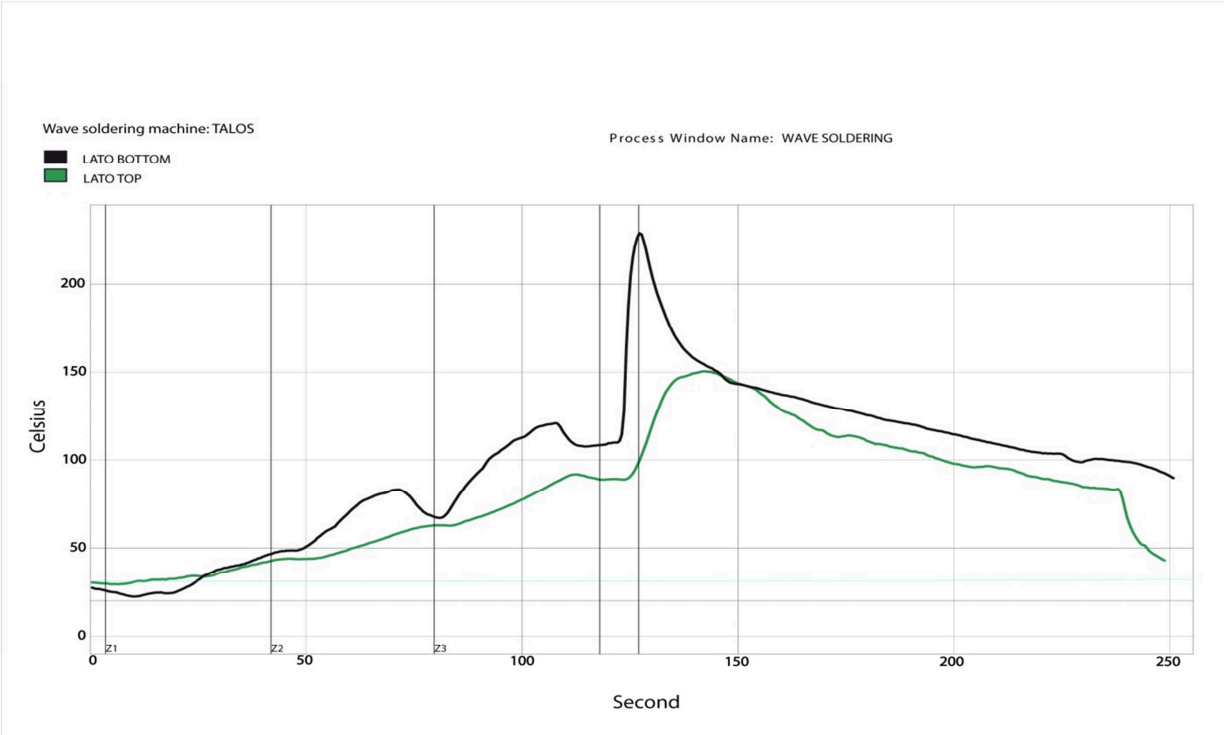
HOW TO USE

PEGASO 50 can be used with standard methods of soldering, automatic spray flux and foam.
In the most common way of use, foam, we suggest an automatic method of control of density.

The graph 1.2 shows the normal profile temperature of using PEGASO 50.

Values obtained with an automatic IEMME wave soldering machine TALOS, with 3 preheating panels (1 air panel, 2 IR panels)

Graph 1.2



PACKAGING

PEGASO 50 is available in approved tank of 20 liters.