



No-clean adhesive & screen printable fluxes

PERFORMANCES

Adhesive fluxes ECOFREC™ TF37 & ECOFREC™ TF37 I allow metal-free soldering of SMDs on PCBs offering solder areas with a tin-lead alloy thickness increased to approximately 100 microns (PPT or SIPAD PCBs).

SPECIFICATIONS

Colour
Solubility in water
in alcohol
Classification according ANSI/J-STD-004
Acid index (KOH/g mg)
Halogen %
Density at 20°C
Viscosity at 20°C Pa.s
*(Measured on BROOKFIELD RVT viscosimeter
with Mobile F HELIPATH system, at 5 rpm)*

ECOFREC™ TF37

amber
not soluble
soluble
REL0
80
0
1.03
400

ECOFREC™ TF37 I

light yellow
not soluble
soluble
REL0
85
0
1.03
400

CHARACTERISTICS

Adhesive fluxes ECOFREC™ TF37 & ECOFREC™ TF37 I are high viscosity pastes made of complex blending of resins, activators and solvents. After soldering, flux residues remaining on the PCB are non aggressive and not liable to corrosion. PCB cleaning is thus unnecessary.

ECOFREC™ TF37 I has a stronger adhesive power than ECOFREC™ TF37.

PACKAGING TYPE

Plastic drum

100 g or 500 g

STORAGE AND SHELF LIFE

Adhesive fluxes ECOFREC™ TF 37 & ECOFREC™ TF 37 I must be stored in a cool area (between 5° and 30°). Shelf life is about a year long.



CONDITIONS OF USE

Adhesive fluxes ECOFREC™ TF37 & ECOFREC™ TF37 I can be applied by screen printing, using a stencil or a screen. Deposits thickness is in the range of 100 microns.

The sticky properties of adhesive fluxes ECOFREC™ TF37 & ECOFREC™ TF37 I ensure that the components will be kept in position until the alloy is reflow using an IR or convection oven or vapour phase. After printing adhesive properties can be improved after 30-60 minutes storage or after heating at 50-60°C during few minutes.

A ready-to-use, prefluxed PCB can be stored several months, away from dust. In order to make storing easier, it is recommended that a non-stick paper be placed between these PCBs.

HSE

During soldering operations, evolving vapours should be collected by an efficient exhaust system.

Please refer to MSDS before use.

Although the conformity to ROHS 2002/95CE concerns EQUIPMENT put on the market and not a component in particular, we warranty that this product contains less than 0.1% of mercury, lead, chromium VI, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) and less than 0.01% for the cadmium, in accordance with the decision of the European Commission dated 18/08/2005, fixing the maximal concentration values.

This data is based on information that the manufacturer believe to be reliable and offered in good faith. In no event will AVANTEC be responsible for special, incidental and consequential damages. The user is responsible to the Administrative Authorities (regulations for the protection of the Environment) for the conformity of his installation.

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