

January 2017

Subject:

Certificate according EC directives:

2011/65/EC (RoHs compliant, restrictions on Certain Hazardous Substances)
2000/53/EC (ELV)
European regulation No 1907/2006 (REACH)

Dear Customer:

We warrant that all grades of Flextherm IMS (Insulated Metal Substrate), used as a basis material for MCCL (Metal Copper Clad Laminates):

Cobritherm HTC (IMS)
Cobritherm AlCuP (IMS)
Cobritherm AlCuPG (IMS)
Cobritherm HTC Ultrathin (IMS)
Aluminium primer
Ceramic Bond sheet HT conductivity
Flextherm

And those developed in the following years, do not and will not contain substances prohibited by directive RoHs:

- Cr VI (Hexavalent Chromium)
- Cd (Cadmium)
- Hg (Mercury)
- Pb (Lead) metals
- Polybrominated Biphenils (PBB)
- Polibrominated diphenils ethers (Deca BDE, PBDE or PBBE)
- Perfluorooctane sulfonate (PFOS)
- Polycyclic aromatic hydrocarbons (PAH)

So, they are in compliance with the banned dangerous substances according the EU directives EU/2000/53 (End of Life for vehicles) and EU/2002/95 (RoHs, Articles 4).

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Anyway, we warrant that all grades of our metal copper clad laminates mentioned above are in compliance with REACH Directive (nº 1907/2006).

According to Article 57 of REACH Directive, European Chemical Agency published the list of Substances of Very High Concern (SVCH) and updated in **January 12th 2017**, ECHA agree and states the following conditions:

“For any imported or produced article, it should be checked whether or not substances on the candidate list for authorisation are contained in concentrations triggering notification and communication requirements under REACH (i.e. >0.1% (w/w)). Substances are included on the candidate list for authorisation after it has been agreed by formal procedure that they fulfil the criteria of Article 57 of REACH (substances of very high concern-SVHC). The candidate list for authorisation was published on the Agency’s website”.

<http://echa.europa.eu/web/guest/candidate-list-table>

Gabriel Benmayor-Aismalibar warrants that all IMS Cu-clad laminates do not contain substances SVHC (Substances of Very High Concern) in relation to candidate list. This warranty is based on the information provided by our suppliers.

Yours faithfully,

Gabriel Benmayor S.A.