


Date: 07.07.2008	<p style="text-align: center;">Declaration of Conformity</p> <p style="text-align: center;">RoHS 2002/95 EG or ElektroG (dated 16.03.05) DecaBDE (Flame protection agents dated 01.07.2008) PAC (Polycyclical aromatic hydrocarbons) PFOS (Perfluorooctane sulfonate) 2006/122/EG (dated 12.12.06) Reach "Registration, Evaluation and Authorisation of Chemicals"</p>	 A Phoenix Mecano Company
Revision: 011		

ElektroG (RoHS)

As of July 1, 2006, no electrical or electronic equipment or appliances may be put on the market in fields of application acc. to ElektroG § 2 and 3 which contain the following materials, or contain them in prohibited quantities:

- lead
- mercury
- hexavalent chromium.
- polybromated biphenyl PBB
- polybromated diphenylether PBDE
- cadmium

DecaBDE

According to the EHG verdict (para. 6) change of ROHS 01.07.2008 → Polymer applications

This flame protection agent is not used in the polymers that we use, and so they are inherently free of DecaBDE.

We are working on a thorough check with our upstream suppliers. Once this has been concluded, we will supplement our Declaration of Conformity (RoHS Directive 2002/95/EG) to include this item.

1. BOPLA enclosure materials

All materials and accessories used for BOPLA enclosures already satisfy the requirements of the ElektroG.

Special designs with EMC copper conductive lacquer, aluminium or CrNi vacuum coating do not contain prohibited materials.

2. Membrane keypads / System solutions

All BOPLA front membranes, membrane keypads using conductive silver technology and copper-clad front membranes without connectors, soldered LEDs, electronic components and displays conform to the ElektroG as of manufacturing date **January 1, 2005**. Membrane keypads using conductive silver technology and LEDs also satisfy the requirements of the ElektroG.

As of **October 1, 2005**, all soldering processes involving the fitting of membrane keypads with LEDs, electronic components and displays on PCBs and polyester base membranes can be carried out lead-free in conformity with the ElektroG.

The pre-condition for manufacture in conformity with the ElektroG is that the electronic components specified by the customer conform to the ElektroG for lead-free fitting.

In the case of new and repeat orders involving existing constructions / designs, it is the customer's responsibility to establish whether lead-free fitting with electronic components which conform to ElektroG is required and whether these components are available.


In the case of a conversion requested by the customer (alteration, re-design), release samples for release testing are required following agreement.

3. 19" Enclosure extension systems

All enclosure materials for 19" extension systems made of

- extruded aluminium profiles, raw and anodised, for side walls, flanges, front and rear profiles, bus profiles etc.
- aluminium panel materials, raw and anodised, for side walls, front panels etc.
do not contain prohibited materials.

Yellow chromated surface treatments using the prohibited material chrome VI have been replaced by passivations conforming to the RoHS regulations.

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PAC (polycyclical aromatic hydrocarbons)

At present there are no legal limits – only guidelines – in respect of the concentration of PACs in plastic materials.

These compounds are **not** contained in the raw materials which we use to manufacture our products.

Under normal conditions the presence of polycyclical aromatic hydrocarbons is not to be expected, and consequently no analytic control to determine their absence was carried out.

PFOS (Perfluorooctane sulfonate)

The raw materials, semi-finished or finished products which we use contain either no PFOS or do not contain it in amounts which are not permitted above the limits specified in EU directive 2006/122/EG.

REACH

Under the terms of REACH, it is compulsory to register chemicals, but not the finished product. Consequently, as manufacturers and suppliers of electronic enclosures/membrane keypads/ 19" components/system suppliers and their accessories, we do not need to register these under the terms of REACH.


The raw materials used are supplied exclusively by manufacturers or importers situated in Europe. These firms are obliged to have registered the materials contained.

The polymer granulates that are contained in our plastic products are not products within the definition in Art. 3 of the REACH ordinance and hence are not subject to registration. No material evaluation need be carried out for polymer granulates.

Although the above-mentioned materials must not be used or added, it is not possible to exclude the possibility that negligible traces caused, for example, by impurities in components used, may be present.

This declaration of conformity applies only to BOPLA standard catalogue articles.

Separate agreement with us in respect of all customer-specific special designs is absolutely necessary!

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All of the data, recommendations and information from Bopla or issued in the name of Bopla concerning the individual products and materials is based on investigations and information of the relevant manufacturer of the material.

The guideline values for the properties represent non-binding average values that had been determined for the injection-moulded test pieces.

Even when Bopla regards these as reliable, Bopla shall accept no liability whatsoever for the accuracy and completeness of the data, recommendations and information.

The passing on of this data, recommendations and information is done without any intention to be legally binding and does not form the basis of a separate contract.

The interested party is required instead to verify for himself the quality and overall properties of our products and their suitability for the intended purpose and shall carry out all the required investigations to this end at his own responsibility if Bopla has not explicitly guaranteed in writing certain properties or applications of the product.

The same applies accordingly for the other technical information and advice that we give out in word and writing concerning applications.

This declaration was drawn up and published on the basis of the laws and regulations which currently apply and also in accordance with the best of our present knowledge.

This document was prepared electronically and for this reason is valid even if not signed. Copies which are printed out are not subject to updating. The latest version can be found on our website at www.BOPLA.de.