


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.

Issue: 15.01.2009	Declaration of Conformity	 ROSE A Phoenix Mecano Company
Revision: 0	RoHS 2002/95 EC or DecaBDE Flame retardants dd. 01/07/2008 PAK Polycyclic aromatic hydrocarbons PFOS Perfluorooctanesulfonic acids 2006/122/EC dd. 12/12/06 REACH "Registration, Evaluation and Authorisation of Chemicals"	

I. Area of applicability – Substances -

	Substances	Legal basis
1.	Lead (Pb), Mercury (Hg), Hexavalent chromium (Cr IV), Polybrominated biphenyl (PBP), Polybrominated diphenylether (PBDE), Cadmium (Cd)	RoHS EU Directive 2002/95 EC implemented into national law by the Law on electric and electronic devices ElektroG dd. 16/03/2005
2.	DecaBDE (decabromdiphenylether)	Decision of the European Court of Justice dd. 01/04/2008, in effect as from 01/07/2008 RoHS EU Directive 2002/95 EC; Law on Electric and electronic devices – ElektroG
3.	PAK (Polycyclic aromatic hydrocarbons)	Voluntary reference values
4.	PFOS (Perfluorooctanesulfonic acids)	Directive 2006/122/EC dd. 12/12/2006 in effect since 27/12/2006
5.	REACH – Chemical substances	REACH Directive (EC) No. 1907/2006 (EU chemicals directive) dd. 18/12/2006 for registration, evaluation, authorisation and restriction of chemicals (REACH "Registration, Evaluation and Authorisation of Chemicals"), in effect since 01/06/2007

II. Explanation

Issue: 15.01.2009	Declaration of Conformity	
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To 1. RoHS

The Directive 2002/95/EC of the European Union governing the restriction and use of certain hazardous substances in electric and electronic devices (RoHS) came into effect on 01/07/2006. Since then, none of the substances lead (Pb), cadmium (Cd), hexavalent chromium (Cr IV), polybromated biphenyl (PBP), polybromated diphenylether (PBDE), mercury (Hg) may be contained or only in the permissible quantities in electric and electronic devices (§§ 2,3 ElektroG).

The raw materials, semi-finished products or products used by us do not contain the above substances in quantities exceeding the defined limit values.

To 2. DecaBDE

On 1/04/2008 the European Court of Justice has decided that the flame retardant decabrominatediphenylether (DecaBDE) is one of the hazardous substances listed in the RoHS Directive. Since 01/07/2008, electric and electronic devices launched on the markets of the European Union may no longer exceed the permissible limit value for DecaBDE.

The polymers used by us do not contain the flame retardant DecaBDE.

To 3. PAK

Statutory limit values relating to the concentration of PAHs in plastics materials currently do not exist. There are merely recommendations, especially for consumer products.

The raw materials used for the manufacture of our products do not contain such compounds.

To 4. PFOS

Directive 2006/122/EC has amended Directive 76/769/EEC.

As from 27/06/2008, circulation and use of PFOS and preparations as well as products containing PFOS are widely forbidden.

The raw materials, semi-finished products or products used by us do not contain PFOS or PFOS in quantities exceeding the limit values laid down in the EU Directive 2006/122/EC.

To 5. REACH


We, as an industrial purchaser of substances, preparations and products according to Art. 3 REACH-VO, are only affected by the legal requirements as a downstream user. □

The products manufactured by us are not subject to any registration obligation in the sense of the REACH-VO. This especially applies to our products made of plastic.

Polymer granulates are not liable to any substance evaluation.

The recommended measures are taken into account for the chemical substances used by us.

III. Date and scope of the declaration

Issue: 15.01.2009	RoHS DecaBDE	2002/95 EC or Flame retardants dd. 01/07/2008	 ROSE A Phoenix Mecano Company
Revision: 0	PAK PFOS REACH	Polycyclic aromatic hydrocarbons Perfluorooctanesulfonic acids 2006/122/EC dd. 12/12/06 "Registration, Evaluation and Authorisation of Chemicals"	

The present declaration is prepared and issued on the basis of the currently valid (01/12/2008) laws and directives, as well as according to our best knowledge and state of information as of today.

All data, recommendations and information regarding the individual products and materials released by us or on our behalf are based on examinations/investigations and information of the individual material manufacturer.

The property reference values represent non-binding average values found by the individual manufacturer by testing specimens.

With regard to components specified or provided by the customer, the customer will submit a Declaration of Conformity for such components!

The interested person/company is obligated to satisfy itself of the quality and all properties of the product as well as their suitability for the intended purpose, and must carry out all required examinations/investigations in this regard under its own responsibility, unless in individual cases we expressly guarantee certain properties or applications of the product in writing.

The same correspondingly applies to other technical application information and consultancy provided by us verbally and in writing.

Porta Westfalica, 27th of January 2009

(Place and data of issue)



i.V. Klaus Steinhauer
Head of Ex Department



i.V. Frank Dorpmüller
Head of Quality Management



i.A. Uwe Diekröger
Design/Development