

DECLARATION of CONFORMITY

SUBSTANCES IN PRODUCTS

Legal Requirements & Standards for the EU-Market

Placing on the market of products is subject to specific regional (EU) or national legal requirements. Within the European Union (EU), these legal requirements are defined in EU-Regulations which are directly enforceable in the Member States or in EU-Directives which require a transformation into Member States' national legal systems. Compliance with the applicable legal requirements is obligatory for every party putting products on EU - Market. Therefore Radium bears responsibility.

The following Directives and Regulations restrict the use of hazardous substances in products and packaging.

- Directive 2011/65/EU ("RoHS") incl. amendments (see also http://ec.europa.eu/environment/waste/rohs_eee/legis_en.htm RoHS conformity is also part of the below mentioned CE labeling scheme)
- Regulation (EU) No 2017/852 (Minamata-Convention)
- Directive 2000/53/EC ("End-of-life vehicles - ELV")
- Directive 94/62/EC ("Packaging Directive")
- Directive 2006/66/EC ("Battery Directive")
- Regulation (EC) No 1907/2006 ("REACH")

The CE mark on our products indicates conformity with Directives and Regulations covering product safety, electromagnetic compatibility and product performance. Conformity with the following and all other CE relevant regulations is attested in separate EC Declarations of Conformity:

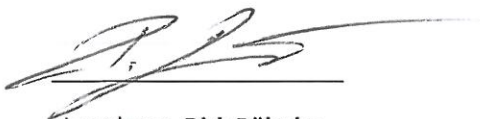
- Directive 2014/35/EU ("Low Voltage Directive - LVD"), Recast of 2006/95/EC
- Directive 2014/30/EU ("Electromagnetic Compatibility Directive - EMCD") Recast of 2004/108/EC
- Directive 2009/125/EC ("Energy related Products" Framework Directive) and its Implementing Measures:
- Regulation (EC) No 244/2009 amended by Regulations (EC) 859/2009 and (EU) 1428/2015
- Regulation (EC) No 245/2009 amended by Regulations (EC) 347/2010 and (EU) 1428/2015
- Regulation (EU) No 1194/2015 amended by Regulation (EU) 1428/2015
- Regulation (EU) No 874/2012 ("Energy Labeling") amended by Regulation (EU) 518/2014

Radium Declaration: Substances in products

- Products delivered by Radium into the EU-Market today and in the future satisfy the applicable legal requirements, as well as the applicable product standards (EN/IEC).
- Radium installed a system within its company which ensures compliance with the applicable legal requirements. This system includes products, parts and materials procured from suppliers.
- According to Directive 2011/65/EC ("RoHS") Radium products delivered into EU market do not contain the following substances exceeding defined maximum concentration values, unless in an application exempted by Annex of RoHS Directive (incl. amendments).

Substances / application	Maximum concentration values tolerated by weight in homogeneous material (2011/65/EC – RoHS)
Lead (Pb)	0,1 % (weight)
Mercury (HG)	0,1 % (weight)
Cadmium (Cd)	0,01 % (weight)
Hexavalent chromium (Cr ⁶⁺)	0,1 % (weight)
Polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE)	0,1 % (weight)

- Radium will in cooperation with its suppliers phase out the following new substances added to Annex II of the RoHS Directive (2015/863/EU) in time before the restrictions take effect on July 22nd 2019: Bis (2-ethylhexel phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) und Diisobutyl phthalate (DIBP).
- Minamata Conention, which is implemented in the EU under Regulation (EU) No. 2017/852 "On Mercury", regulates, among other things the manufacture, use and trade of mercury-added products. The mercury limits set for general lighting equipment are less stringent than defined by RoHS Directive since years and have to be fulfilled from December 2019 depending on the product group. Accordingly, all Radium products placed in EEA market already comply with the mercury limit values of Regulation (EU) No 2017/852.



signed ppa. Dirk Böhnke
Technical Plant Management, TL



signed Bernhard Kläser
Quality Management, QM