



## RoHS III

### "Implementation of the Directive 2011/65 / EU RoHS III and subsequent amendments

Subject: - Delegated directive (EU) 2020/360 - Delegated directive (EU) 2020/361 - Delegated directive (EU) 2020/364 - Delegated directive (EU) 2020/365 - Delegated directive (EU) 2020/366 - Delegated directive (EU) 2019/1846 - Delegated Directive (EU) 2019/1845 of the European Parliament and of the Council regarding the list of substances with restrictions on use

- The Legislative Decree of 4<sup>th</sup> March 2014 n. 27 (RoHS III) has been updated - Implementation of Directive 2011/65 / EU regarding the restriction of the use of certain dangerous substances in electrical and electronic equipment. (OJ General Series n.62 of 15-03-2014). Consolidated text 2020 with the amendments / repeals from 2014 to 2020, based on the changes laid down by Legislative Decree of 12<sup>th</sup> May 2020 n. 42 Implementation of Directive (EU) 2017/2102 of the European Parliament and of the Council of 15<sup>th</sup> November 2017, amending Directive 2011/65 / EU on the restriction of the use of certain dangerous substances in electrical and electronic equipment. (OJ General Series n.144 of 08-06-2020) **Entry into force of the provision: 23/06/2020.**

Dear Customer,

**TRANCERIE EMILIANE S.p.A.** declares that all the parts supplied to your company are produced in compliance with the RoHS III directive, and subsequent amendments of the European Parliament and of the Council, concerning the list of substances with restrictions on use.

#### **TRANCERIE EMILIANE S.p.A. HAS CHOSEN FOLLOWING DIRECTIVE:**

Implementation of the Delegated Directives of the European Commission 2019/169 / EU, 2019/170 / EU, 2019/171 / EU, 2019/172 /EU, 2019/173 / EU, 2019/174 / EU, 2019/175 / EU, 2019/176 / EU and 2019/177 / EU of 16 November 2018 amending Annex III of the Directive 2011/65 / EC on restriction of certain hazardous substances in electrical and electronic equipment (RoHS II).

**Lead** in dielectric ceramic in capacitors for a nominal voltage of 125 V AC or 250 V DC or higher

**Lead** in PZT dielectric ceramic materials of capacitors belonging to integrated circuits or discrete semiconductors

**Cadmium** and its components in electrical contacts

**Cadmium** and its compounds in electrical contacts used in: - automatic switches; - thermal detection sensors; - thermal motor protection devices (excluding hermetic thermal protection devices);

- alternating current switches for: - an intensity of 6 A and more and a voltage of 250 V AC and more; or - an intensity of 12 A and more and a voltage of 125 V AC and more; - DC switches for an intensity of 20 A and more and a voltage of 18 V DC and more; and - switches to be used with a supply voltage frequency • 200 Hz.

**Lead** in soldering intended for the realization of a valid electrical connection between the semiconductor matrix and the carrier within the integrated circuits according to the «Flip chip» configuration in the presence of at least one of the following criteria: - a semiconductor technological node of 90nm or larger; - a matrix of 300 mm<sup>2</sup> or larger in any semiconductor technological node.

**Lead and cadmium** in printing inks for the application of glazes on glass, such as **borosilicate** and **sodium calcium** glass.

Cadmium in color printed glass with filtering functions used as a component in lighting applications installed in EEE screens and control panels. Lead in printing inks for the application of glazes on surfaces other than borosilicate glass. Lead alloyed in crystal glass as defined in Annex I (categories 1, 2, 3, and 4) of Council Directive 69/493 / EEC (\*). **Lead oxide** contained in the seal made in a vitrifiable mixture (seal frit) used to make windows for certain argon and krypton laser tubes. **Lead** in the coating layer of high voltage diodes on the basis of a **zinc borate** glass body. **Lead** as activator of the fluorescent powder (up to 1% lead by weight) of the discharge lamps used as tanning lamps containing phosphorescent substances such as **BSP (BaSi2O5; Pb)**. **Lead** as activator of the fluorescent powder (up to 1% lead by weight) of discharge lamps containing phosphorescent substances such as **BSP (BaSi2O5; Pb)** used in medical phototherapy equipment.

No elements, mentioned above in the current directive, are present in the products supplied to your company.

Our RoSH contact, Mr. Di Grandi Vincenzo (v.digrandi@trancerieemiliane.it), is at your disposal for any further info you may need.

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