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## **EU and US Food Contact Compliance of CROWN Beverage Cans and Ends<sup>1</sup>**

**Applications:** Aqueous, acidic, and alcoholic beverages (up to 20% v/v)

**Conditions of Use:** Ambient fill followed by optional heat processing at up to 121°C for up to 1 hour.  
Long term ambient storage

**Geographical Coverage:** This document is applicable in the EU, USA, and territories that accept either or both EU and US regulatory compliance - please note the comments below regarding EU member state legislation on Bisphenol A.

**Limitations:** This document is applicable only for the applications, conditions of use and geographical coverage specified above. Where an intended application falls outside the scope of the above, please contact Crown Bevcan for guidance

**Validity:** This document will remain valid until December 2019 unless replaced by a later version taking account of changes in materials, processes, or changes in legislation.

### **European Union**

All beverage cans and ends supplied by CROWN Bevcan Europe and Middle East, when used for the applications specified above, and in accordance with the recommended conditions of use, comply with the appropriate EU legislation with respect to food contact materials and articles, namely:

- EU “Framework” Regulation **(EC) No. 1935/2004** relating to materials and articles intended to come into contact with food,
- EU “GMP” Regulation **(EC) No. 2023/2006** on good manufacturing practice for materials and articles intended to come into contact with food ,
- EU Regulation **(EC) No. 1895/2005** relating to the use of certain epoxy derivatives in materials and articles intended to come into contact with food,
- EU Regulation **(EU) No. 2018/213** on Bisphenol A migration from coatings and varnishes
- Where relevant, **EU Directive 78/142/EEC** relating to materials and articles which contain vinyl chloride monomer and which are intended to come into contact with food.

All internal coatings comply with the requirements of Council of Europe Resolution **AP(2004)1** and the CEPE Code of Practice for Food Contact Coatings.

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<sup>1</sup> NOTE – This statement is valid for all cans and ends produced by CROWN Bevcan Europe & Middle East including Crown Agoncillo, Botcherby, Braunstone, Custines, Goleniow, Izmit, Kechnec, Korinthos, Osmaniye, Patras, Seville, Tunis, Amman, Dammam, Jeddah and Dubai and Nafcel. There is a separate specific statement for BPA-NI cans and ends

All external coatings and inks are specifically formulated for use on the external surface of food packaging in compliance with the EuPIA guidelines on packaging inks

The metal substrates of cans and ends supplied by Crown will contain some recycled metal (including post consumer). The proportion will vary from batch to batch, and has no impact on the finished material as metals are 100% recyclable. The high temperature smelting process and the supplier controls on elemental composition ensure the safety of the finished product.

Phthalates<sup>2</sup> are not intentionally used in the manufacture of beverage cans or ends.

Engineered nano-materials are not intentionally used in the manufacture of beverage cans or ends.

**However, it is important to note that:**

- currently, packaging including cans and ends intended for foods specifically marketed for 0-3 year olds in Denmark, Sweden, Belgium and France must comply with specific national legislation regarding Bisphenol A (BPA). In these territories, BPA- NI<sup>3</sup> cans and ends should be used for these applications
- from 1st January 2015, in France, packaging including cans and ends for all foodstuffs intended for human consumption must comply with specific French legislation regarding Bisphenol A (BPA), and BPA-NI cans and ends should be used
- a specific compliance document is available for BPA-NI cans and ends.

**USA**

All internal protective coatings and can end sealants are formulated in accordance with **US FDA 21CFR 175.300** regulations for the food/beverage category and conditions of use for which they are sold, and satisfy the overall migration requirements in those regulations.



R J Whitaker

Manager: Food Regulatory

Crown Technology

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<sup>2</sup> Di-esters of *ortho*-Phthalic acid, typically used as plasticisers

<sup>3</sup> BPA-NI refers to articles where BPA (Bisphenol A) and products made using BPA are not intentionally used to formulate the food contact components