

Declaration for the use of aluminum anodizing treatments with food contact purposes

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Treatments

OX-A, Natural sulfuric anodizing, non-pigmented

OX-W, Hard white anodizing, non-pigmented

OX-HS, Hard sulfuric anodizing, non-pigmented

Treatment manufacturer

DUROX SRL
Oselin Street, 18/20
33047 Remanzacco, UD

Clarifications on the application of Regulation (EC) No. 1935/2004

Regulation (EC) No. 1935/2004 requires that materials and objects which, as finished products, are intended to be brought in contact or which are reasonably expected to be brought in contact with food, do not transfer to them any component in such quantities as to be considered a risk to human health, lead to an unacceptable change in the composition of food products or a deterioration of their organoleptic characteristics.

The above mentioned treatments, carried out by us on objects intended for contact with food, cannot be considered finished product as their composition depends heavily on the base material. The finished products must be understood as whole base material and treatment, as the substances and the extent of release depend on both the treatment and the aluminium alloy of the base material.

It means that the legal liability to ensure compliance with the provisions of Regulation (EC) No. 1935/2004 and therefore compliance with contact with food under normal or foreseeable conditions of use does not lie with Durox srl but with the company that places on the market the material or object intended for contact with food, as finished product.

Declaration of conformity with regulation (EC) No. 2023/2006

We declare that the above mentioned coatings are produced in accordance with good manufacturing practices according to regulation (EC) No. 2023/2006.

Durox srl adopts an ISO 9001: 2015 certified quality management system.

Declaration of conformity with EN 14392: 2007

The standard EN 14392 Requirements for anodised products for use in contact with foodstuff, specifies the requirements for anodizing treatments on aluminium parts intended for contact with food.

The above indicated treatments, carried out by Durox srl, comply with the EN 14392 standard if the following requirements are met:

- The chemical composition of the aluminium alloys of the parts to be anodized must comply with the requirements of the EN 601 or EN 602 standards, as far as applicable.
- The anodizing treatments must undergo the sealing phase. This phase is carried out by Durox srl only if expressly requested in the order documents or if compliance with EN 14392 is requested in the order.

FDA 21 CFR Compliance Declaration

Aluminum anodizing treatments are not regulated by FDA 21 CFR.

Aluminum compounds are recognized as "Generally Recognized as Safe" (GRAS), such as aluminum sulfate as per FDA 21 CFR 182.1125. Additionally, the aluminum oxide formed during anodizing is chemically inert and widely accepted as safe for food contact applications.

It is crucial to ensure that the base alloy used in anodizing complies with EN 601 or EN 602 standards, as the exact composition of the anodized layer depends on the base alloy.

Operational indications

We declare that:

- compliance with the requirements of EC Regulation 1935/2004 cannot be assessed and declared by Durox srl for the reasons stated above. Therefore, the responsibility for verifying compliance falls to the economic operators downstream of Durox srl.
- contact with alkaline or acid substances or foods can compromise the integrity of the coatings;
- the sanitizing or washing operations of the finished product with alkaline, acidic or aggressive substances towards the coating, carried out before or after the product is placed on the market, can compromise the integrity of the coating itself, modifying the migration of substances to foods. It is therefore the obligation of the manufacturer of the finished product to evaluate the correct sanitation and washing methods and the compatible products, informing the end users;
- before placing on the market it is necessary to wash and sanitize in order to ensure the absence of surface contamination by any chemicals or microbial agents.

Sergio Amilcare Bordiga

Legale Rappresentante

Durox Srl