

# FORC

by Lagranja Studio

## Sustainability (1/2)

**m114**

**Mobles 114**

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### OBJECTIVE

This document provides relevant information from an environmental, health and human toxicity point of view. The objective of this self-report is to provide arguments stating that this product is environmentally preferable to other similar products of the market.

### ENVIRONMENTAL VALUES

This product consists of 3 wooden solid posts, 2 metallic elements and 12 bonding pieces made of polyamide 6 with 15% glass fiber and stainless steel screws.

1. Being a detachable product facilitates the recycling of each element.
2. This product can be completely disassembled, enabling an easy handling during transportation thanks to its reduced volume.
3. Use of solid beech and oak woods from FSC (Forest Stewardship Council). Seat and feet are glued.
4. Wood elements are joined to the metallic frame with stainless steel screws.
5. Use of water-based varnish (without any solvent).
6. Heat is applied to paint the footrest, therefore no catalyst or solvent is used.
7. The paint used is made of polyester epoxy powder Interpon 610, according to ISO 9001: 2000 / ISO 14001: 2004 regulations. This preparation has been assessed by the conventional method of the Dangerous Preparations Directive 1999/45 / EC, and is not classified as dangerous for the environment (Directive 67/548 / EEC of Hazardous Substances).
8. It does not contain any volatile organic compounds.

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9. During the combustion process of the polyamide (in case it takes place), without flame or incomplete, some toxic gaseous mixtures are emerged. They mainly contain CO, CO<sub>2</sub> and nitrogen oxides. Amines, nitrils, aliphatic and aromatic hydrocarbons, acetaldehyde, acetones, acids, ammonia and hydrogen cyanide are also produced. Appropriate protective measures as independent breathing system must be taken.
10. It complies with the REACH Regulation (EC) No 1907/2006 of the European Parliament and the Council (18th December 2006) because: Mobles114 declares that it keeps the correct way of communication with its suppliers, and FORC products do not contain raw materials requiring registration; they do not contain any of the substances included in the "SVHC" list (Substances of Very High Concern) published by ECHA (European Chemicals Agency) in the quantities specified (the manufacture of annual FORC products does not exceed the amount of 1 tonne of these substances considered as very high concern). For all these reasons, FORC products are considered to meet the REACH Regulation requirements.
11. The supplier of the metallic parts is certified with ISO 14001.
12. The company dealing with the polyamide pieces is registered in the medical record of industries and food products in Catalonia.