

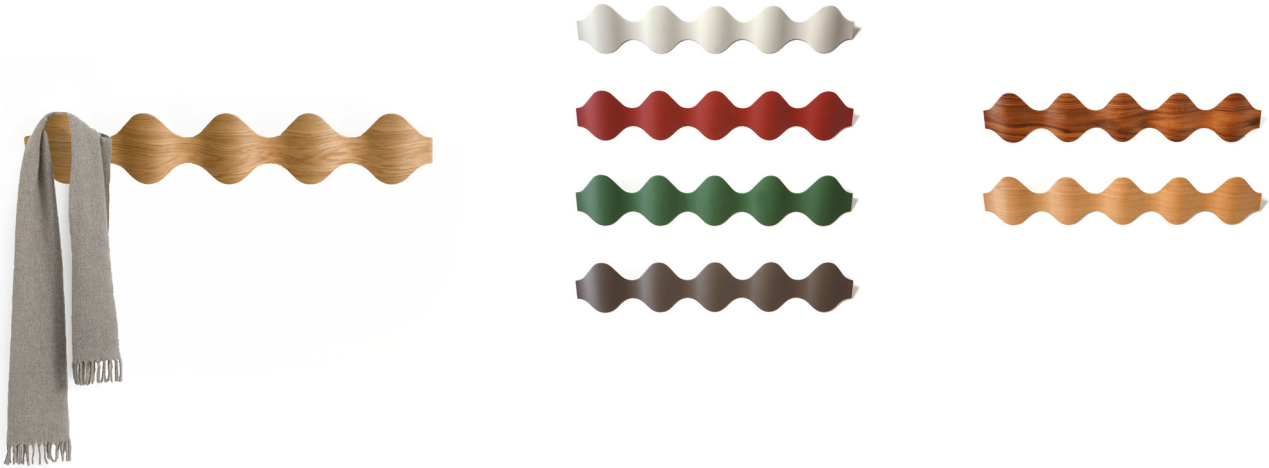
ONA

by M Padrós - C Riart

Sustainability (1/2)

m114

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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

1. Wall hanger made of natural beech and calabo wood. Steel plated pieces are supplied screwed to the wood to fix it on the wall.
2. Both stainless steel and aluminium are 100% recoverable through recycling.
3. The adhesive used in plywood is Urea Formaldehyde resin powder which is water soluble.
4. The beech wood supplier has PEFC Chain of Custody certificate ref. FCBA/03-00208 (controlled sustainable harvesting of wood. Timber of French origin 100%).
5. The polyurethane is mainly composed of urethane and isocyanate, which are toxic when in particles or in liquid state (which produce gases) by inhalation. The Spanish health Ministry has set exposure limits only for isocyanate in a liquid state. So this product is not considered dangerous. No purging of toxic or dangerous products has been identified. In any case, the urethane appears in the list of 1st and 2nd category carcinogens and mutagenic classification harmonized with the European Union, according to Royal Decree 363/1995. Regarding to the workplace and according to the Spanish Ministry of Health, the polyurethane presents pulmonary disease risk, and according to some studies it also present carcinogenic risk in the workplace of manufacture of this product, in this case the place of manufacture of polyurethane varnish and its application on wood.

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6. There is no trial to measure the potential VOC emissions from this product.
7. Formaldehyde can cause allergic reactions. Formaldehyde can cause irritation to eyes, nose and throat in exposure ranges between 0.3 and 3.6mg/m³. Possible association between formaldehyde exposure and cancer according to several studies. Everything depends on the period of exposure and concentration of the compound present at the exposition. Mainly presents risk by inhalation and ingestion. According to CEPA 1999 it is considered toxic preparation in paragraphs b and c. (Information from Canadian Environmental Protection Act, 1999).
8. Complies with the REACH Regulation (EC) No 1907/2006 of the European Parliament and Council of 18 December 2006 since: Mobles 114 states that it maintains proper channel of communication with their suppliers and the ONA products do not contain raw materials that need to be registered, do not contain any substances from the SVHC list (Substances of Very High Concern) published by the ECHA (European Chemical Agency) in the specified amounts (the manufacture of ONA products does not exceed the annual amount of 1 ton of these substances considered as high concern). The zinc electrolyte surface finish of steel contains chromium VI fixed or stabilized so it is chemically inert. This substance is considered to restrictions on their manufacture, sale and use only in case of direct and prolonged contact with the skin of the user. For all these reasons, it is considered that the ONA products meet the requirements of the REACH Regulation.