

PRODUCT ENVIRONMENTAL PROFILE (PEP)

Sistema collection — *designed by Lievore Altherr Molina*

Product Environmental Profile (PEP) is a type II environmental product self-declaration that includes relevant environmental statements about the materials that compose the product and its environmental impact.



**Product pictured may not be the exact style of the product studied in this document.*

Materials

FRAME

The interior structure is manufactured in solid wood and plywood low in formaldehyde. Plywood complies with TSCA Title VI + CARB ACTM 93120. To produce these pieces Viccarbe is using wood from sustainable forestry sources. Solid wood has low formaldehyde emissions.

POLYURETHANE FOAM

The standard polyurethane foam we use in our upholstery products (except for CMHR - fire retardant foams - used in the upholstery products available in UK pricelist) are CertiPUR and Oeko-TEX certified and do not contain added flame retardants. CMHR foams are Oeko-TEX certified.

CertiPUR is a voluntary testing, analysis, and certification program for the environment, health and safety properties of polyurethane foam used in bedding and upholstered furniture applications. It specifies substances that may not be used in the production of polyurethane foams and sets stringent maximum limits for some components.

Oeko-TEX certificate stands for customer confidence and high product safety. Every component of this article has been tested for harmful substances and that the article therefore is harmless for human health. In this test, numerous regulated and non-regulated substances which may be harmful to human health are taken into account. In many cases the limit values for the STANDARD 100 go beyond national and international requirements.

UPHOLSTERY FABRICS

We offer a wide range of fabrics for upholstery from large international firms such as Kvadrat, Camira, Gabriel, Crevin and Spradling. All these firms have fabrics that comply with environmental requirements that can be checked in the fabrics technical info section of our pricelist and the technical data sheet of each fabric.

METAL STRUCTURE

We use powder coating obtained from polyester resins without TGIC on all our metallic structures. It offers hard weather resistance, maintaining its gloss and resistance to the UV rays, and complies with international specifications of QUALICOAT.

No solvents are present in polyester powder coatings; therefore, they are free of volatile organic compounds (VOCs). Powder coatings neither contain heavy metals such as cadmium and lead.

This powder coating shows compliance with the requirements of NF EN ISO 16000-9 regarding the low emission of volatile organic compounds (COVs) and has been labeled as A+ in the emission classification “VOC Émissions dans l’air intérieur”.

Manufacturing

The product is assembled in Viccarbe’s factory in Beniparrell, Spain. Viccarbe is accredited to the environmental standard ISO 14001. As a result, every care is taken to ensure our operations and products make a positive contribution to the local and global environment.

We appropriately recycle all our waste with authorized agents.

We carefully analyze the packaging of our product, using the quantity of cardboard, plastic, or foam strictly necessary to avoid the product being damaged in any way during transport.

80% of the raw material used in our paperboard packaging comes from recycled paper.

Transport

We take environmental impact into account when selecting raw materials. 98% of our suppliers are European, allowing us to minimize the environmental impact caused by transport. The remaining 2% come from USA.

For the distribution of our products, we use groupage transport companies, ensuring that the trucks are full. For inter-continental transport we always go by sea. We only use aerial transport in urgent cases.

Use

During the use phase of the product - the longest phase of the life cycle - no significant environmental impacts occur. Designed for a long product life, with replaceable parts that are easy to change.

Maintenance information is available on Viccarbe's website. Viccarbe's guarantee for indoor products is valid for 10 years from the date of the invoice of Viccarbe.

End of use

Any product can become a resource itself or be responsibly disposed of in different ways. At Viccarbe we try to design products with easily interchangeable parts, making it easier to recycle the various components at the end of their life cycle.

Recyclability

The model chosen for analysis is the reference COMPOSITION SOFA 1 (2 x SISMP + 2 x SISPTI) from the Sistema range. We estimate that 54% of the product can be disassembled and 51% of the product is recyclable by weight*.

**Recyclability calculation does not include packaging. Cardboard packaging is 100% recyclable.*

