

Domus Lounge Chair

Design: Ilmari Tapiovaara, 1946



SUSTAINABILITY

Made from birch harvested from Finland's forests, every one of Alvar Aalto's chairs and stools is as unique as the tree from which it came.

Finland's forests are an important element of the country's identity. They cover nearly two thirds of its total land area, are partially owned by one in five Finnish families, and are incorporated into the curriculum of the nation's schools. Thanks to intelligent management dating back more than a century, these forests are actually growing in size, rather than being depleted.

Artek keeps up the good work in its factory with the economical use of materials and a heating system fueled by wood waste. The particular beauty of Finnish birchwood derives in part from the slow tree growth characteristic of mixed forests, which renders their trunks particularly dense. Those used by Artek are about fifty to eighty years old, making the material of the products manufactured today roughly the same age as the company itself.

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MATERIALS

SOLID WOOD, VENEER, PLYWOOD

Wood is a renewable, natural raw material. All solid birch wood, veneers and plywood used for the Domus Lounge Chair is coming from well-managed Finnish forests in southern and middle Finland and are FSC-certified.

All the wood products used by Artek satisfy the emission category E1 and therefore emit less than 0.1 ppm formaldehyde.

ADHESIVES

Domus Lounge Chair consists mainly of solid birchwood. Adhesives are scarcely used in the seat and the back and the solid wood joints of the frame.

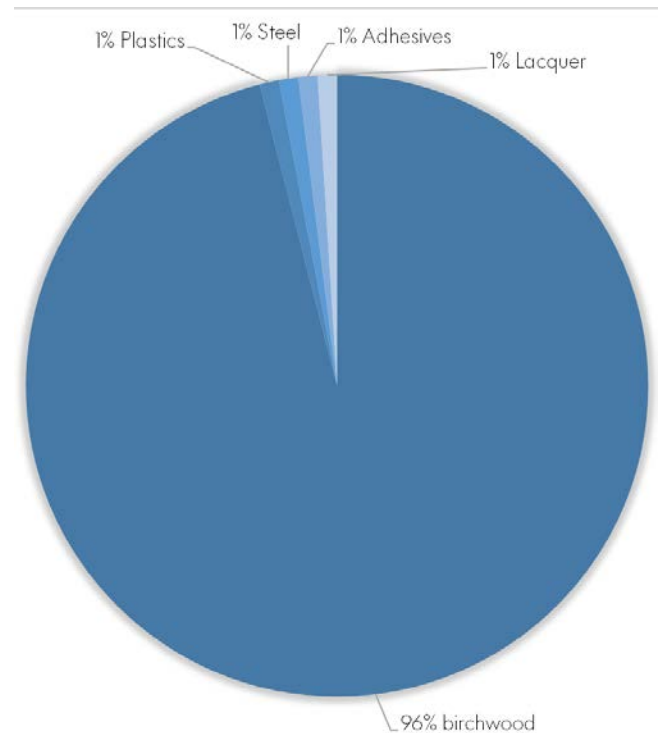
STEEL is a stable compound of iron and carbon with various added alloys. At the end of the product life cycle, steel components can be melted down and completely recycled.

POLYURETHANE FOAM (PU) - Artek uses this material primarily as permanently elastic soft foam in seat and back upholstery. CFCs have not been used to expand polyurethane upholstery since as early as 1989. Polyurethane foams are mostly recycled thermally to generate energy or as a composite.

LEATHER is a natural material which is tear and scratch-resistant and at the same time is soft and pleasant to the touch. Artek's standard leathers do not contain chrome VI, are compliant with EU-directive 76/769/EEC, and REACH. On demand we can supply all naturally tanned and dyed leathers.

RECYCLABILITY

Solid wood and engineered wood can be used thermally to generate energy or can be crushed and recycled as materials into new engineered wood materials. Due to the high content of pure natural materials emissions are very low.



Materials used in Domus Lounge Chair, version unupholstered natural lacquered birch. (Values are approximate, as actual values can vary due natural to variations in the density of wood.)

PACKAGING

Domus Lounge Chairs comes in a corrugated cardboard box. Artek's main supplier for packaging materials is FSC-certified.