STUA

ECO PASSPORT FOR A SUSTAINABLE WORLD

# MALENA ARMCHAIR

DESIGNERS: JON GASCA

## SUSTAINABLE DESIGNS

Within STUA's strategy, both, the quality of products and the preservation of the environment in our production processes, are a priority. Over the years STUA has been implicated to the search for environmentally friendly raw materials, processes, products and packaging.

Among many others, we can highlight the following characteristics and actions:

- To design long lasting and good quality products.
- To reduce the consumption of raw materials.
- To use recycling materials.
- To use production systems which are environmentally friendly.

The achievement of these aims will contribute to a real sustainable development.

Our products hold the main European certificates and comply with demanding German standards as regards product resistance and ergonomics. At STUA we also care for people's health.

Jon Gasca

STUA

## RESPONSIBLE MANUFACTURING

- This product is totally manufactured in the European Union.
- The STUA designs are created for a long duration. This helps to make a friendly use of the natural resources.

  We offer a 2-year guarantee on all the STUA products.

  STUA guarantees a period of availability of spare parts of 10 years for any product.
- The wood used to manufacture our designs comes from sustainably managed forests registered with the PEFC (Programme for the Endorsement of Forest Certification).
- The MDF material and glues used in the production are formaldehyde free.
  STUA products use materials that comply with M1 and the California Air Resources Board ACTM 93120.2.
- STUA's fabrics comply with the strict ISO 14001 international environmental regulations regarding its products and its manufacturing processes.
- STUA's upholstery is fire-resistant but avoids the use of harmful retardants like PBB and PBDE.
- The foams used by STUA complies the most exhaustive ecological textile certificate: the OEKO-TEX STANDARD 100.
  The analyses include prohibited and regulated substances, chemicals considered dangerous to health, and preventive parameters.
- STUA's chrome plating process uses a trivalent chromium bath to replace the highly-toxic hexavalent chromium bath. The trivalent chromium process must produce hard chrome components that perform as well as or better than the older process.

  Other additional advantages involved in this process:
  - It is not necessary to reduce hexavalent chromium in wastewater.
  - It makes it easier to handle and use the product.
  - No gas emissions are produced.
- The treatment of metal parts for their subsequent painting, with powder paint or chromed, is the one corresponding to a degreasing and phosphating of the same. No aromatic solvents are used and no diffuse emissions of volatile organic compounds are generated.
- The recyclability of the metallic materials used by STUA reaches 97%.
- Our plastic elements are excluded from heavy metals and phthalats in their manufacture, as well as halogenated plastics such as PVC.
- STUA promotes processes with low water consumption. In the last 5 years, we have achieved a 31% saving in drinking water consumption by implementing saving processes.

## ENVIRONMENTALLY FRIENDLY PACKAGING

- In the pursuit of an environmentally friendly packing, STUA is removing all the plastic from this process.
- All STUA cardboard packaging is made with recycled materials and is 100% recyclable because no staples are used in the production.
- Our remaining plastics packaging contain no halogen.

## LOGISTICS MINIMIZING CARBON FOOTPRINT

- STUA choose the eco-friendliest transportation method available.
- We select logistic partners who use environmentally-friendly technologies for their vehicles/engines and are located close to the factory where our products are manufactured in order to reduce the emission release.
- Load Optimization. We try to send a truck only when it is fully loaded.
- Route Optimization. By choosing the best route, it is possible to save fuel and, consequently, reduce the amount of $CO_2$ emissions.

USE OF WOOD FROM SUSTAINABLY MANAGED FORESTS

ECOLOGICAL UPHOLSTERY WITHOUT PBB & PBDE

FOAMS FIRE RETARDANT & FREE OF TOXIC SUBSTANCES

FORMALDEHYDE FREE PRODUCTS

HEXAVALENT CHROMIUM-FREE FINISHES

PROCESSES WITH LOW WATER CONSUMPTION

RECYCLABILE MATERIALS AND PACKAGING

CERTIFICATED FOR POSTURAL HEALTH

FRESH, CLEAN INNOVATIVE DESIGN PRODUCED IN EUROPE
TIMELESS DESIGN FOR A SUSTAINABLE WORD, LEARN MORE ABOUT OUR ENVIROMENTAL COMMITMENT:

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