

**esPattio**

**TECHNICAL FEATURES**

**MARINA**

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**Chair, armchair and sofa**

The metal structure is made up of 4 steel tube legs of Ø 22mm. The backrest is surrounded by a Ø18mm steel tube on the horizontal grill and a 3mm thick and 45mm wide steel plate. The internal structure or chassis is made up of a Ø11mm steel rod and folded steel plates for fixing to the main structure.

The finishes of this structure, with epoxy paint, available in esPattio colors and floor support ends in both felt and plastic to choose from.

The backrest is made up of a main injection foam, cut foam at the back and a fabric cover with 100gr/m<sup>2</sup> fiber.

The seat is made up of a chipboard core of 6mm thick and PU injection foam, topped with a 100gr/m<sup>2</sup> fiber fabric cover.

**Centre tables**

The centre tables are made up of a Ø30mm leg structure and a 4mm thick cylinder steel plate. The structure finish in epoxy paint in esPattio colors and floor support ends in both felt and plastic to choose from.

Table tops made of 23mm thick European oak veneered MDF board or matt black lacquered MDF board.

## Packaging

100% recyclable with inks with no solvents.

## 5-year warranty

▶ [Warranty terms and conditions](#)

## Maintenance and cleaning of products

esPattio provides recommendations to the user so that their products always look new and in excellent condition.

As a general rule, we recommend the use of environmentally friendly cleaning agents. Please follow the cleaning product manufacturer's instructions.

▶ [Information](#)

**Chair**



**Armchair**



**Sofa**



**Centre tables**



	kg			
Chair	16,22 kg	0,381m <sup>3</sup>	1	2,5 m
Armchair	18,64 kg	0,466m <sup>3</sup>	1	2,6 m
Sofa	33,81 kg	0,711m <sup>3</sup>	1	4,10 m

Low tables	kg		
100 Ø	26,61 kg	0,441m <sup>3</sup>	1
80 Ø	21,18 kg	0,296m <sup>3</sup>	1
50 Ø	12,14 kg	0,143m <sup>3</sup>	1

## Life cycle analysis



PMA03

Raw Materials	kg	%
<b>Steel</b>	<b>9,01</b>	<b>66</b>
<b>Upholsteries / Filling materials</b>	<b>3,35</b>	<b>24</b>
<b>Plastics</b>	<b>0,01</b>	<b>1</b>
<b>Wood</b>	<b>1,28</b>	<b>9</b>

**% Recycled Mat.= 10%**

**% Recyclable Mat.= 76%**

## Ecodesign

Results reached during the life cycle stages

### Materials

- Steel: 15%-99% recycled material.
- Wood: 70% of the wood material is recycled, has PEFC/FSC and complies within the E1 standard.
- Plastic: 30%-40% recycled material.
- Powder painting without COV emissions.
- Staff material without HCFC and certified by Okotext.
- Upholsteries without COV emissions and certified by Okotext.
- Packings: 100% recyclable with inks with no solvents.

### Production

- Raw materials use optimization. Board, upholstery and steel tubes cut.
- Renewable energies use, reducing the CO2 emissions (Photovoltaic pannels).
- Energy saving measures in all production process.
- COV global emission reduction of the production processes by 70%.
- Powder painting recovery of 93% of the non deposited painting.
- Glue removal from the upholstery.
- The facilities have an internal sewage for liquid waste.
- Green points at the factory.
- 100% waste recycling at production process ans dangerous waste special treatment.

### Transport

- Cardboard use opmitization of the packings.
- Cardboard and packing materials use reduction.
- Flat packings and small bulks to optimize the space.
- Solid waste compacter which reduces transport and emissions.
- Light volumes and weights.
- Transport fleet renewal reducing by 28% the fuel consumption.
- Suppliers area reduction. Local market power and less pollution at transport.

### Use

- Easy maintenance and cleaning without solvents.
- Forma 5 guarantee.
- The highest quality for materials to provide a 10 year average life of the product.
- Useful life optimization of the product due to a standarized and modular design.
- The boards with no E1 particle emission.

### End life

- Easy unpacking for the recyclability or compound reuse.
- Piece standarization for the use.
- Recycled materials used for products (% recyclability):
- Aluminium is 100% recyclable. Steel is 100% recyclable. Wood is 100% recyclable. Plastics are from 70 to 100% recyclable.
- With no air or water pollution while removing waste.
- Returnable, recyclable and reusable packing.

## Maintenance and cleaning guide

Lines for a correct cleaning and maintenance considering the different materials:

### **Fabrics**

- ① Vacuum often.
- ② Rub the dirty spot with a wet cloth with PH neutral soap.  
Test first on a hidden spot.
- ③ Dry foam for carpets can be alternatively used.

### **Metal pieces**

- ① Rub the dirty spots with a wet cloth with PH neutral soap.
- ② Polished aluminium pieces can have their polish bak by covering and rubbing them with a dry cotton cloth.

### **Plastic pieces**

Rub the dirty spots with a wet cloth with PH neutral soap.  
Do not use abrasive products in any case.