

**esPattio**

**TECHNICAL FEATURES**

**ABRIL**

By Patrick Norguet



## Armchairs



## Shell

The Abril family is made up of three shell models: with arms, without arms and stool. They are manufactured by injection in polypropylene (PP) and mineral-filled polypropylene depending on the model and are offered in a wide range of colours.

Upholstered biscuit for shells with and without arms: the seat area can optionally have a cover made of 10 mm thick foam with a density of 30 kg/m<sup>3</sup> and upholstered in the chosen fabric. This placket is overlapped, stapled and screwed.

## Structures in option

- 4 metal legs:** fixed 4-leg structure made of  $\varnothing$  16mm and 2mm thick steel tube plus two  $\varnothing$  18mm and 2mm thick welded crosspieces, coated with epoxy paint in a wide range of colours. The fixing to the shell is hidden by some shadow gray rubberized stops made by injection. These stops on the chair without arms function as stacking stops. In the upholstered biscuit option, these stops are replaced by a stacking tray made of polypropylene I have injected in two colors. Round tips finished in black with the option of felt for wooden floors. This structure is compatible with shells with and without arms. Structure stackable in 4 units on the ground for the frame without arms.
- Sled:** solid  $\varnothing$  11 mm rod structure curved so that the ground supports are shaped like a sled skate. One on each side of the chair. The fixing to the shell is hidden by some shadow gray rubberized stops made by injection. These stops on the chair without arms function as stacking stops. In the upholstered biscuit option, these stops are replaced by a stacking tray made of polypropylene I have injected in two colors. Floor support with 4 ends made of black polypropylene with the option of felt for wooden floors. Structure stackable in 4 units on the ground for the frame without arms

- Pyramidal wooden base:** 4-spoke swivel structure made of steel and covered by a beech, oak or lacquered beech wood cover. This base is attached to the casing through an aluminum injection part typical of the series, painted in epoxy and a steel cone covered by a trim. Floor support with black polypropylene leveler with felt option for wooden floors.
- 4 spoke aluminium pyramidal base:** Swivel structure with 4 spokes made of injected aluminum with a conical shape of  $\varnothing$  70 cm and h: 30.8 cm with various finishes. This base is attached to the casing through an aluminum injection part typical of the series, painted in epoxy and a steel cone covered by a trim. Floor support with black polypropylene top with felt option for wooden floors or with wheels. The 50mm diameter wheels are totally black in the hard tread option and black with the soft tread in light grey.
- 4 metal legs for high chair and stool:** structure with 4 fixed legs in two heights, 750mm and 650mm, made of  $\varnothing$  16mm and 2mm thick steel tube plus two  $\varnothing$  18mm and 2mm thick welded crossbars with  $\varnothing$  12mm tubular footrest, coated with epoxy paint. The fixing to the casing is hidden by some shadow gray rubberized stops made by injection, these stops work as stacking stops. In the upholstered biscuit option, for the high chair, these stops are replaced by a stacking tray made of polypropylene. Floor support with round tips finished in black with the option of felt for wooden floors. This structure is only compatible with the frame without arms. Structure stackable in 4 units on the ground.

## 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.

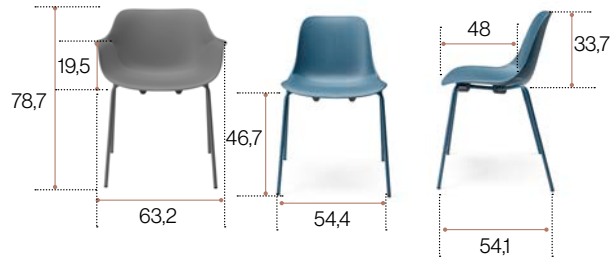
As a general rule, we recommend the use of environmentally friendly cleaning agents. Please follow the cleaning product manufacturer's instructions.

▶ [Information](#)

Dimensions

cm

**4 metal legs**



**Sled structure**



**4 spoke pyramidal aluminium legs**



**Pyramidal wooden legs**



**High chair**



**Stool**



Legs/Base	Without arms Without upholstered			Without arms With upholstered seat pad			With arms Without upholstered			With arms With upholstered seat pad		
	kg			kg			kg			kg		
4 metal legs	6,77 kg	0,28 m <sup>3</sup>	1	7,40 kg	0,28 m <sup>3</sup>	1	7,94 kg	0,37 m <sup>3</sup>	1	8,57 kg	0,37 m <sup>3</sup>	1
Sled structure	6,77 kg	0,28 m <sup>3</sup>	1	7,40 kg	0,28 m <sup>3</sup>	1	8,07 kg	0,37 m <sup>3</sup>	1	8,70 kg	0,37 m <sup>3</sup>	1
4 spoke pyramidal aluminium legs	15,82 kg	0,30 m <sup>3</sup>	1	16,44 kg	0,30 m <sup>3</sup>	1	15,82 kg	0,37 m <sup>3</sup>	1	16,44 kg	0,37 m <sup>3</sup>	1
4 spoke pyramidal aluminium legs + casters	16,14 kg	0,28 m <sup>3</sup>	1	16,76 kg	0,28 m <sup>3</sup>	1	16,14 kg	0,28 m <sup>3</sup>	1	16,76 kg	0,37 m <sup>3</sup>	1
Pyramidal wooden legs	6,31 kg	0,30 m <sup>3</sup>	1	6,94 kg	0,30 m <sup>3</sup>	1	7,61 kg	0,30 m <sup>3</sup>	1	8,24 kg	0,37 m <sup>3</sup>	1
High chair H 65	8,02 kg	0,45 m <sup>3</sup>	1	8,64 kg	0,45 m <sup>3</sup>	1						
High chair H 75	8,32 kg	0,49 m <sup>3</sup>	1	8,94 kg	0,49 m <sup>3</sup>	1						
Stool H 65	6,94 kg	0,37 m <sup>3</sup>	1									
Stool H 75	6,94 kg	0,37 m <sup>3</sup>	1									
Linear metres					0,45 ml						0,45 ml	

## Life cycle analysis



PAB00

Raw Materials	kg	%
<b>Steel</b>	<b>2,67</b>	<b>50,78</b>
<b>Plastics</b>	<b>2,53</b>	<b>48,26</b>

**% Recycled Mat.= 51,87%**

**% Recyclable Mat.= 90,12%**

## 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.
- Podwer 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%.
- Podwer 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 cottom cloth.

### **Plastic pieces**

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