Abril
Multipurpose Chair

asset
space becomes place

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 options

- **Seat pad**: 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^3 and upholstered in the chosen fabric. This placket is overlocked, stapled and screwed.

- **Upholstered front**: Designed exclusively for shells with armrests, this option covers the entire front of the shell — including the seat, backrest and armrests — with an injection-moulded plastic piece covered with high-density foam. Thicknesses of 5 mm and 10 mm are combined with a density of 40 kg/m^3, and finally upholstered in the selected fabric. The design leaves the back of the shell visible, allowing for endless combinations between the colours of the plastic and the wide range of fabrics available.

- **Fully upholstered**: monocoque covered with 10mm thick foam with a density of 40kg/m^3 and polyester fibre and upholstered in the chosen fabric.

Structures in option

- **4 metal legs**: fixed 4-leg structure made of ø 16mm and 2mm thick steel tube plus two ø 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 seat pad 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.

- **4 oak legs:** aluminium base screwed to the Abril frame with plastic threaded bolts. The wooden legs, with a unique varnish oak finish, are hand-bolted to this aluminium base. Floor support with optional plastic or felt pads. In versions with an exposed shell, the aluminium base is lacquered in the same colour as the plastic shell. For fully upholstered casings, the colour of the aluminium base is an option to be chosen by the customer.

- **Sled**: the base is made of Ø 11 mm solid steel rod, which is bent in such a way that the base supports are shaped like sledge runners, one on each side of the chair. The attachment to the shell is concealed by injection-moulded "Sombra Grey" rubber buffers, which act as stacking buffers in the chair without armrests. In the upholstered version, these buffers are replaced by a stacking tray in two-colour injected polypropylene. Base with 4 black polypropylene end caps, with the option of felt for wooden floors. Stackable base in 4 units on the floor for the shell without armrests.

- **Aluminium pyramid base**: 4-spoke swivel base in die-cast aluminium with conical shape ø70 cm and h: 30.8 cm with different finishes. This base is connected to the shell by means of a die-cast aluminium part painted with epoxy resin and a steel cone covered with a trim. Floor support with black polypropylene top, optionally with felt for wooden floors or with castors. The 50mm diameter castors are all black for the hard castor option and light grey for the soft castor option.

- **5-spoke polyamide Star base:** diameter 69 cm. 5 trapezoidal arms with rounded corners. Available in white or black. The base is connected to the frame by means of a gas piston and an epoxy lacquered aluminium injection moulding. Height adjustment by means of handle. Floor support with 65 mm diameter double swivel castors. The black polyamide base can be fitted with hard or soft black castors. The white base can be fitted with white hard castors or light grey soft castors.

- **Pyramidal wooden base**: 4-spoke swivel structure in steel covered by a base in lacquered beech, oak or beech wood. The base is connected to the shell by means of an epoxy lacquered injection moulded aluminium part and a steel cone covered with a trim. Floor support with black polypropylene glide, with the option of felt for wooden floors.

- **Pyramidal base in solid oak wood**: 4-spoke solid oak base bolted to a central black lacquered steel core. The cone is inserted into this core and rests on an aluminium base, which in turn is screwed to the body.

Packaging

100% recyclable with inks with no solvents.

Certificate

Our products are designed, manufactured and distributed according to current regulations and organizational standards.

►Information

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 4 metal legs

Stool 4 metal legs

Legs/Base	Without arms Without upholstered			Without arms With upholstered seat pad			Without arms Fully upholstered			With arms Without upholstered			With arms With upholstered seat pad			With arms Fully upholstered			With arms Upholstered front seat		
	kg		□	kg		□	kg		□	kg		□	kg		□	kg		□	kg		□
4 metal legs	6,77 kg	0,28 m³	1	7,40 kg	0,28 m³	1	6,14 kg	0,27 m³	1	7,94 kg	0,37 m³	1	8,57 kg	0,37 m³	1	6,73 kg	0,31 m³	1	6,24 kg	0,31 m³	1
Sled structure	6,77 kg	0,28 m³	1	7,40 kg	0,28 m³	1	6,14 kg	0,27 m³	1	8,07 kg	0,37 m³	1	8,70 kg	0,37 m³	1	6,74 kg	0,31 m³	1	6,37 kg	0,31 m³	1
4 spoke pyramidal aluminium legs	15,82 kg	0,30 m³	1	16,44 kg	0,30 m³	1	9,77 kg	0,30 m³	1	15,82 kg	0,37 m³	1	16,44 kg	0,37 m³	1	10,37 kg	0,37 m³	1	7,61 kg	0,37 m³	1
4 spoke pyramidal aluminium legs + casters	16,14 kg	0,28 m³	1	16,76 kg	0,28 m³	1	16,76 kg	0,28 m³	1	16,14 kg	0,28 m³	1	16,76 kg	0,37 m³	1	10,67 kg	0,37 m³	1	7,90 kg	0,37 m³	1
Pyramidal wooden legs	6,31 kg	0,30 m³	1	6,94 kg	0,30 m³	1	7,87 kg	0,30 m³	1	7,61 kg	0,30 m³	1	8,24 kg	0,37 m³	1	8,47 kg	0,37 m³	1	5,91 kg	0,37 m³	1
High chair H 65	8,02 kg	0,45 m³	1	8,64 kg	0,45 m³	1	11,16 kg	0,45 m³	1												
High chair H 75	8,32 kg	0,49 m³	1	8,94 kg	0,49 m³	1	10,79 kg	0,49 m³	1												
Stool H 65	6,94 kg	0,37 m³	1																		
Stool H 75	6,94 kg	0,37 m³	1																		
Linear metres				0,45 ml			1,08 ml						0,45 ml			1,57 ml			0,8 ml		

Dimensions

cm

5-spoke polyamide base

4 oak wood legs

Pyramidal base in solid oak wood

High chair. 4 oak wood legs

Stool. 4 oak wood legs

Legs/Base	Without arms Without upholstered			Without arms With upholstered seat pad			Without arms Fully upholstered			With arms Without upholstered			With arms With upholstered seat pad			With arms Fully upholstered			With arms Upholstered front seat		
	kg		□	kg		□	kg		□	kg		□	kg		□	kg		□	kg		□
5-spoke polyamide base	8,53kg	0,37 m³	1	9,16 kg	0,37 m³	1	9,16 kg	0,37 m³	1	11,80 kg	0,37 m³	1	12,43kg	0,37 m³	1	12,43kg	0,37 m³	1	11,8kg	0,37 m³	1
4 oak wood legs	19,51 kg	0,37 m³	1	20,13 kg	0,37 m³	1	20,73 kg	0,37 m³	1	20,41 kg	0,37 m³	1	21,03 kg	0,37 m³	1	21,43 kg	0,37 m³	1	20,41 kg	0,37 m³	1
Pyramidal base in solid oak wood	6,90kg	0,37 m³	1	7,52 kg	0,37 m³	1	9,02 kg	0,37 m³	1	10,68 kg	037 m³	1	11,30 kg	0,37 m³	1	12 kg	0,37 m³	1	10,68 kg	0,37 m³	1
High chair H65. 4 oak wood legs	11,88 kg	0,47 m³	1	12,50 kg	0,47 m³	1	11,91 kg	0,47 m³	1												
High chair H75. 4 oak wood legs	12,28 kg	0,47 m³	1	12,90 kg	0,47 m³	1	12,59 kg	0,47 m³	1												
Stool H65. 4 oak wood legs	10,41 kg	0,47 m³	1																		
Stool H75. 4 oak wood legs	10,81kg	0,47 m³	1																		
Metros lineales				0,45 ml			1,08 ml						0,45 ml			1,57 ml			0,8 ml		

Life cycle analysis

PAB00

Raw Materials	kg	%
Steel	**2,67**	**50,78**
Plastics	**2,53**	**48,26**

% Recycled Mat.= 51,87%

% Recycled 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.
- esPattio 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 alternativaly used.

Metal pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Polished aluminum parts can be restored with polish on a dry cotton cloth to restore their initial gloss conditions.

Wooden - melamine pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Do not use abrasive products under any circumstances.

Plastic pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Do not use abrasive products under any circumstances.

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