

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 0.4" inch thick foam with a density of 1.9 lbs/ ft³ 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 ø 0.6" inch and 0.08" inch thick steel tube plus two ø 0.7" inch and 0.08" inch 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 Ø 0.43 inch 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 ø27.6" inches and h: 12.1" inches 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 0.2" inch 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, 0.3" inch and 0.3" inch, made of ø 0.06" inch and 0.01" inch thick steel tube plus two ø 0.07" inch and 0.01" inch thick welded crossbars with ø 0.05" inch 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.

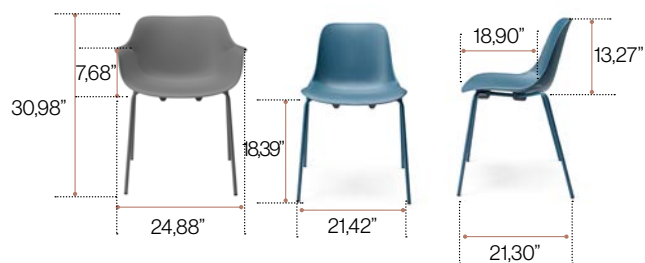
As a general rule, we recommend the use of environmentally friendly cleaning agents. Please follow the cleaning product manufacturer's instructions.

► [Information](#)

Dimensions

in

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		
						
4 metal legs	15 lbs	9.9 ft ³	1	16 lbs	9.9 ft ³	1
Sled structure	15 lbs	9.9 ft ³	1	16 lbs	9.9 ft ³	1
4 spoke pyramidal aluminium legs	35 lbs	10.6 ft ³	1	36 lbs	10.6 ft ³	1
4 spoke pyramidal aluminium legs + casters	36 lbs	10.6 ft ³	1	37 lbs	9.89 ft ³	1
Pyramidal wooden legs	14 lbs	10.6 ft ³	1	15 lbs	10.6 ft ³	1
High chair H 65	18 lbs	15.9 ft ³	1	19 lbs	15.9 ft ³	1
High chair H 75	18 lbs	17.3 ft ³	1	20 lbs	17.3 ft ³	1
Stool H 65	15 lbs	13 ft ³	1	-		
Stool H 75	15 lbs	14.5 ft ³	1	-		
Linear metres	-			 0.5 yd		

With arms Without upholstered			With arms With upholstered seat pad		
					
18 lbs	13.1 ft ³	1	19 lbs	13.1 ft ³	1
18 lbs	13.1 ft ³	1	19 lbs	13.1 ft ³	1
17 lbs	13.1 ft ³	1	18 lbs	13.1 ft ³	1
18 lbs	13.1 ft ³	1	19 lbs	13.1 ft ³	1
17 lbs	10.6 ft ³	1	18 lbs	10.6 ft ³	1
				 0.5 yd	

Life cycle analysis



PAB00

Raw Materials	lbs	%
Steel	5.89	50.78
Plastics	5.58	48.26

% 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.
- 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:

Fabricks

- 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 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.