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 0.4" inch thick foam with a density of 1.87 lb/ft^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 0.2" inch and 0.39" inch are combined with a density of 2.5 lb/ft^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 0.4" inch thick foam with a density of 2.49 lb/ft^3 and polyester fibre and upholstered in the chosen fabric.

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 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 0.43" inch 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 ø27.6" inches and h: 12.13" inches 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 2" inches diameter castors are all black for the hard castor option and light grey for the soft castor option.

- **5-spoke polyamide Star base:** diameter 27.2" inches. 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 2.6" inches 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.
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- **4 metal legs high chair and stool:** Base with 4 fixed legs in two heights, 29.5" inches and 25.6" inches, made of 0.6" inch Ø and 0.08" inch thick steel tubing, with two welded 0.72 inch Ø and 0.08" inch thick crossbars and 0.5" inch Ø tubular footrest, epoxy painted. The attachment to the shell is concealed by injection-moulded grey rubber buffers that act as stacking buffers. For the upholstered high chair option, these bumpers are replaced by a polypropylene stacking tray. Floor support with round end caps finished in black with felt option for wooden floors. This base is only compatible with the shell without armrests. Stackable base in 4 units on the floor.

- **4 oak legs high chair and stool:** aluminium base is screwed to the Abril frame with plastic screws and is painted in the same colour as the plastic frame. The wooden legs, with the only varnished oak finish, are screwed to this aluminium base manually. Support on the floor is provided by optional plastic or felt end caps. The footrest is made of a Ø 0.47" inch curved steel rod, always has a chrome finish and is screwed to the legs with stainless steel screws.

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

4 metal legs

Sled structure

4 spoke pyramidal aluminium legs

Pyramidal wooden legs

High chair

Stool

Legs/Base	lbs			lbs			lbs			lbs			lbs			lbs			lbs		
4 metal legs	15 lbs	9.9 ft³	1	16 lbs	9.9 ft³	1	13.54 lb	9.53 ft³	1	18 lbs	13.1 ft³	1	19 lbs	13.1 ft³	1	14.84 lbs	10.95 ft3	1	13.76 lbs	10.95 ft3	1
Sled structure	15 lbs	9.9 ft³	1	16 lbs	9.9 ft³	1	13.54 lb	9.53 ft³	1	18 lbs	13.1 ft³	1	19 lbs	13.1 ft³	1	14.86 lbs	10.95 ft3	1	14.04 lbs	10.95 ft3	1
4 spoke pyramidal aluminium legs	35 lbs	10.6 ft³	1	36 lbs	10.6 ft³	1	21.54 lb	10.59 ft³	1	17 lbs	13.1 ft³	1	18 lbs	13.1 ft³	1	22.86 lbs	13.07 ft3	1	16.78 lbs	13.07 ft3	1
4 spoke pyramidal aluminium legs + casters	36 lbs	10.6 ft³	1	37 lbs	9,89 ft³	1	36.95 lb	9.89 ft³	1	18 lbs	13.1 ft³	1	19 lbs	13.1 ft³	1	23.52 lbs	13.07 ft3	1	17.41 lbs	13.07 ft3	1
Pyramidal wooden legs	14 lbs	10.6 ft³	1	15 lbs	10.6 ft³	1	17.35 lb	10.59 ft³	1	17 lbs	10.6 ft³	1	18 lbs	10.6 ft³	1	18.67 lbs	13.07 ft3	1	13.03 lbs	13.07 ft3	1
High chair H 25.6”	18 lbs	15.9 ft³	1	19 lbs	15.9 ft³	1	24.60 lb	15.89 ft³	1												
High chair H 29.5”	18 lbs	17.3 ft³	1	20 lbs	17.3 ft³	1	23.79 lb	17.30 ft³	1												
Stool H 25.6”	15 lbs	13 ft³	1																		
Stool H 29.5”	15 lbs	14.5 ft³	1																		
Linear metres				0.5 yd			1.2 yd						0.5 yd			0.9 yd			1.7 yd		

Dimensions

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	lbs			lbs			lbs			lbs			lbs			lbs			lbs		
5-spoke polyamide base	18.81 lb	13.06 ft³	1	20.20 lb	13.06 ft³	1	20.20 lb	13.06 ft³	1	26.00 lb	13.06 ft³	1	27.41 lb	13.06 ft³	1	27.40 lbs	13.07 ft3	1	26.01 lbs	13.07 ft3	1
4 oak wood legs	43.01 lb	13.06 ft³	1	44.39 lb	13.06 ft³	1	45.70 lb	13.06 ft³	1	44.98 lb	13.06 ft³	1	46.34 lb	13.06 ft³	1	47.24 lbs	13.07 ft3	1	45 lbs	13.07 ft3	1
Pyramidal base in solid oak wood	15.21 lb	13.06 ft³	1	16.57 lb	13.06 ft³	1	19.88 lb	13.06 ft³	1	23.55 lb	13.06 ft³	1	24.91 lb	13.06 ft³	1	26.46 lbs	13.07 ft3	1	23.55 lbs	13.07 ft3	1
High chair H25.6". 4 oak wood legs	26.19 lb	16.59 ft³	1	27.56 lb	16.59 ft³	1	26.25 lb	16.59 ft³	1												
High chair H29.5". 4 oak wood legs	27.07 lb	16.59 ft³	1	28.44 lb	16.59 ft³	1	27.75 lb	16.59 ft³	1												
Stool H25.6". 4 oak wood legs	22.95 lb	16.59 ft³	1																		
Stool H29.5". 4 oak wood legs	23.83 lb	16.59 ft³	1																		
Metros lineales				0.5 yd			1.2 yd						0.5 yd			0.9 yd			1.7 yd		

Life cycle analysis

PAB00

Raw Materials	lbs	%
Steel	**6.78**	**50.78**
Plastics	**6.43**	**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 CO^2 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.

FROM OUR SKIN, FOR THE EARTH

“From our skin, for the Earth” is our promise, the way we look at, feel and envisage sustainability.
It means soul and art, intention and action, vision and journey. Acting based on our thoughts and feelings to protect nature, the people who live in it, the time that is left. Learning from the journey, the legacy and the spirit of the south. A deliberate, mindful, authentic spirit.
A message that encourages us to think from our skin, create from truth and produce with dedication, mindful and responsible furniture for a better tomorrow on this planet.

“Desde la piel, para la Tierra” es nuestra promesa, nuestra forma de mirar, de sentir y concebir la sostenibilidad.
Es alma y arte, intención y acción, mirada y camino. Es actuar desde el sentimiento y el pensamiento para proteger la naturaleza, las personas que la habitan, el tiempo que queda por venir. Aprendiendo del camino, del legado y de la esencia del sur. Una esencia pausada, consciente, auténtica.
Un mensaje que nos incita a pensar desde la piel, crear desde la verdad y producir con compromiso, un mobiliario consciente y respetuoso para un mejor mañana en este planeta.

“From our skin, for the Earth” est notre promesse, notre façon de voir, de ressentir et de concevoir le développement durable.
C'est une âme et un art, l'intention et l'action, le regard et le chemin.
C'est agir à travers le sentiment et la pensée pour protéger la nature, les personnes qui l'habitent, le temps qui reste à venir. Apprendre du chemin, de l'héritage et de l'essence même du sud.
Une essence posée, consciente, authentique. Un message qui nous encourage à penser à travers notre peau, à créer à travers la vérité et à produire de façon engagée, un mobilier conscient et respectueux, pour construire un avenir meilleur sur cette planète.

“From our skin, for the Earth” lautet unser Versprechen. Das ist unsere Art, Nachhaltigkeit sichtbar, spürbar und erlebbar zu machen.
Es ist der Geist und die Kunst, die Absicht und die Handlung, die Betrachtung und der Weg. Es bedeutet, nach Gefühl und Gewissen zu handeln, um die Natur zu schützen, die Menschen, die sie bewohnen, und die Zeit, die noch vor uns liegt. Und dabei vom Weg, dem Erbe und der Essenz des Südens zu lernen. Eine ruhige, bewusste, authentische Essenz.
Eine Botschaft, die uns dazu anregt, aus unserer Haut heraus zu denken, aus der Wahrheit heraus zu erschaffen und mit viel Hingabe eine verantwortungsvolle und umweltfreundliche Einrichtung für eine bessere Zukunft auf diesem Planeten zu schaffen.

Discover more | Conocer más | En savoir plus

SUSTAINABILITY PRODUCT
ABRIL

ENVIRONMENTAL IMPACT
IMPACTO MEDIOAMBIENTAL
IMPACT ENVIRONNEMENTAL
UMWELTAUSWIRKUNGEN

50.78% of Abril is steel, a 100% recyclable material. Recycling a tonne of steel avoids mining 1.5 tonnes of iron, and reduces the carbon footprint of each product by 50%.

El 50,78% de Abril es de acero, un material 100% reciclable indefinidamente y el material más reciclado del mundo. Por cada tonelada de acero reciclado se evita la extracción de 1,5 toneladas de hierro, reduciendo la huella de carbono de cada producto en un 50%.

Le modèle Abril est composé à 50,78 % d'acier, un matériau 100 % recyclable. Le recyclage d'une tonne d'acier évite d'extraire 1,5 tonne de fer et réduit de 50 % l'empreinte carbone de chaque produit.

Abril besteht zu 50,78 % aus Stahl, einem zu 100 % recycelbaren Material. Durch das Recycling einer Tonne Stahl wird der Abbau von 1,5 Tonnen Eisen eingespart und der CO2-Fußabdruck jedes Produkts um 50 % reduziert.

CIRCULAR ECONOMY
ECONOMÍA CIRCULAR
ECONOMIE CIRCULAIRE
KREISLAUFWIRTSCHAFT

Up to 90.12% of an Abril chair could be used to produce another equivalent unit once its life cycle is over. The same is true for the packaging, which is fully returnable, recyclable and reusable.

Hasta un 90,12% de una silla Abril podría usarse para producir otra unidad igual una vez terminada su vida útil. Mismo caso que su embalaje, totalmente retornable, reciclable y reutilizable.

Jusqu'à 90,12 % d'une chaise Abril pourrait être utilisés pour produire une autre unité à la fin de sa durée de vie utile. Il en va de même pour son emballage, entièrement recyclable et réutilisable.

Bis zu 90,12 % eines Abril-Stuhls könnten nach Ablauf seiner Nutzungsdauer für die Herstellung einer weiteren identischen Einheit verwendet werden. Das gleiche gilt für die Verpackung, die vollständig zurückgegeben, recycelt und wiederverwendet werden kann.

RECYCLING
RECICLAR
RECYCLER
RECYCLE

45.16% of Abril is polypropylene. Compared to other plastics that would generate long-lasting waste, polypropylene has a longer life cycle, which allows us to reuse it in other products between 4 and 5 times.

El 45,16% de Abril es polipropileno, un plástico reciclable hasta 4 o 5 veces. Frente a otros plásticos que generarían residuos duraderos, el polipropileno goza de una vida útil más larga, lo que nos permite reutilizarlo en otros productos entre 4 y 5 veces.

Le modèle Abril est composé à 45,16 % de polypropylène. Comparé à d'autres plastiques qui généreraient des déchets durables, le polypropylène possède une durée de vie plus longue, ce qui nous permet de le réutiliser de 4 à 5 fois dans d'autres produits.

Abril besteht zu 45,16 % aus Polypropylen. Im Vergleich zu anderen Kunststoffen, bei denen langlebige Abfälle anfallen würden, hat Polypropylen eine längere Nutzungsdauer, sodass wir es vier- bis fünfmal in anderen Produkten wiederverwenden können.

EXPLORING SUSTAINABILITY
EXPLORANDO LA SOSTENIBILIDAD
EXPLORER LA DURABILITÉ
ERFORSCHUNG DER NACHHALTIGKEIT

Innovation in polyamide recycling is one of the major challenges facing our sector. Techniques such as hydrolysis and depolymerisation enable the recovery of high-quality material, avoiding the use of new polyamide.

La innovación en el reciclaje de poliamida es uno de los grandes retos de nuestro sector. Técnicas como la hidrólisis y despolimerización, facilitan la recuperación de material de alta calidad, evitando el uso de nueva poliamida.

L'innovation appliquée au recyclage du polyamide est l'un des grands défis de notre secteur. Des techniques comme l'hydrolyse et la dépolymérisation favorisent la récupération de matériaux de haute qualité, en évitant l'utilisation de nouvelles polyamides.

Das Recycling von Polyamid ist eine der großen Herausforderungen für unseren Sektor. Techniken wie Hydrolyse und Depolymerisation erleichtern die Rückgewinnung von hochwertigem Material und machen den Einsatz von neuem Polyamid überflüssig.