

# PLEK

— By Alegre Studio —



■ **DESCRIPTION**

ABS **seat and back** rest rest made of two 5 mm thickness pieces fixed together. Partially folding position by flipping up the seat or total folding position. PA6GF30 Moulded. **arms (ABS+PC)** 8 mm thickness. Available with or without arms. Moulded aluminium.

**Frame** 20 mm - 25 mm thickness. It is possible to fold completely the chair. Available in different finishes:

**Silver, white, polished and black.** Polypropylene (P.P) caps in the same colour than the seat and back.

**Optional** trolley for store and transport Available. Steel frame Ø 30 mm and 1,5 mm thickness. Up to 10 chairs.

■ **BACK AND SEAT**



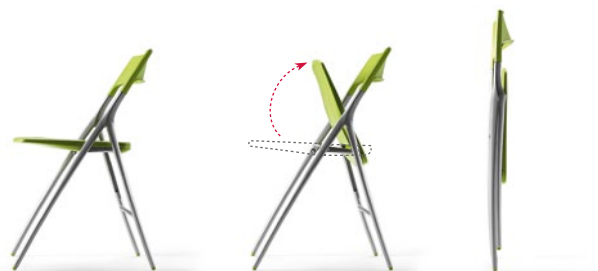
(see finishes and fabric card)

■ **PLEK DESIGN**



Plek design

■ **FOLDING**

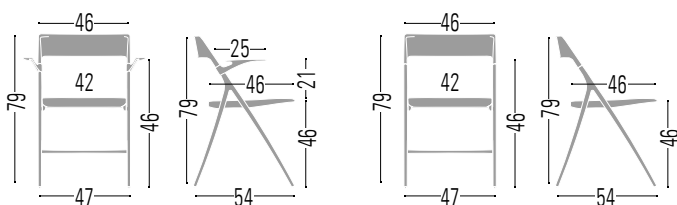


Open

Half folded

Half folded

■ **SIZES**



- ① **ABS** Back
- ② **ABS+PC** arms 8 mm thickness
- ③ **ABS** Seat (two 5 mm thickness pieces fixed together)
- ④ Moulded aluminium frame, 20 mm - 25 mm thickness. Available in different finishes: **Silver, white, polished and black**
- ⑤ Polipropylene (P.P) caps

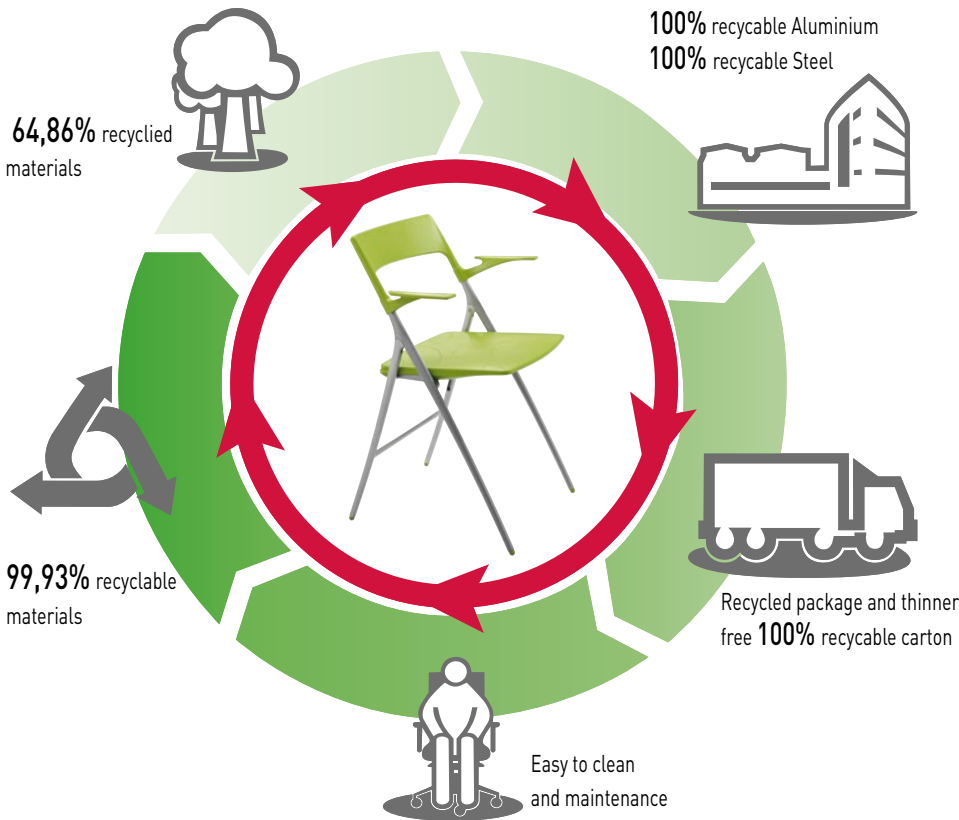
■ **SIZES**

Total height: from 790 mm  
 Total width: from 470 mm  
 Total depth: from 540 mm

Total height: from 460 mm  
 Total width: from 420 mm  
 Total depth: from 460 mm



Max.10 chairs



**MATERIALS**

PLEK has been designed to be manufactured with recycled materials 64,86%, danger substances such as chrome, mercury or cadmium are not used in big quantity. Recyclables Aluminium and Steel 100%. Organic volatile Components. Packages manufactured with recycled carton. Ink thinner free.

**PRODUCTION**

Energy use is optimized during the production process. Minimum environmental impact. Last generation technological system in coating processes. Painting that have not been used is recovered to use it again. Zero COVs emissions and other contaminant gas. Close water circuit to clean the metals. Heat recovery. Automatic manufacture systems. Cut process is planned.

**TRANSPORT**

Optimum packaging to reduce space in transport and save energy.

**USE**

Long lasting use. Spare parts and replacements available. Easy to clean and maintenance.

**DISPOSAL**

94,463% recyclable. Easy and quick to split PLEK components. Packages are reuse by our supplier to avoid waste generation. Carton used in packages is recyclable.

**CERTIFICATES AND REFERENCES**

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011  
ECODESIGN Certificate



UNE-EN ISO 9001:2008  
ISO 9001 Certificate



UNE-EN ISO 14001:2004  
ISO 14001 Certificate



E1 by EN 13986 Certificate



**ACTIU TECHNOLOGICAL PARK**  
project certified as **LEED® GOLD**  
by U.S. Green Building Council 2011  
Leadership in Energy & Environmental Design

## ■ ERGONOMICS

**PLEK** available for all type of users. Perfect for any need and keep user's posture in a natural way without any manual adjustment.

## ■ ECOLOGY

### ENERGY SAVING

The new technological production system included, reduce the energy resources used to manufacture each component. Materials are very well used to avoid wastes.

### RECYCLED AND RECYCABLE MATERIALS

ACTIU environmental policy opts to use recycled materials in those components where functionality and lasting is not a condition. Materials used in PLEK such as Aluminium or Steel are totally recyclable.

## ■ REMARKABLE VALUES

**1-** Electrostatic coat, epoxy bonding 2nd generation. Polymerized 200°C with nano-ceramics and non-grease treatments to improve better covering and provide then better resistance and lasting.

**2 –** Antibacterial finish.

**3 – ABS** seat and backrest (easy to clean it) 90 micron

**4 –** Coating 90 micras thickness. This covering guarantees the finish and maintenance of metal structures.

**5 –** Painting process:

Actiu painting plant has minimum environmental impact against the traditional industry processes.

Treatment is done by polarized coating and compacted with temperature. We get homogeneous and regular application with 98% of painting and the remaining 2% is used to produce other paints. Paints used are COVs free (Volatile Organic Components) which are very dangerous for the environment. All water used in the process is re-used, so we get zero dump. The process is free in heavy metal, phosphate, organic components and **DQD** (Biochemical demand of Oxygen). The program gives us an exact control of thickness, so it provides us with standard thickness (90 micron).