

# BADMINTON

— By ITEMdesignworks —





## **What is Badminton?**

Intended as an iconic element within the office, this armchair designed by ITEMdesignworks aims to be the differentiating factor in work spaces.

Thanks to its dynamic and open conception, it enables conversation, reading and the use of electronic devices without falling into a relaxed state which impedes your concentration. To maintain the active attitude, we have removed its arms and set at 180 degrees which favours privacy for the user due to its high degree of sound proofing

‘Badminton also has a wide range of possibilities in its colours, textures and finishes, thanks to being able to select both the carcass finish as well as the two interior. Indeed, one of the differences with the classical models which inspired it, is the exterior housing which has a different material to the rest and is offered in gloss, satin or matt finishes. This enables a multitude of combinations and including the adaptation to brand images of each company or project for which it is intended.’ explains Cuñado.

## DESCRIPTION

### Estructure:

Exterior shell made from high strength rigid injected polyurethane.

Painted by hand. Available in white, grey and black.

Metallic inner insert 5 mm thickness.

360 ° Rotation with auto-return system incorporated.

### Seat and Back:

Great comfort ergonomic padding made from injected flexible polyurethane, with different densities in the seat (40 Kg / m<sup>3</sup>) and back (30 Kg / m<sup>3</sup>). Clipped bonding systems manufactured in Polyamide.

Upholstered foam with quality Leather, Melange, Step, Omega and Steelcut Trio.

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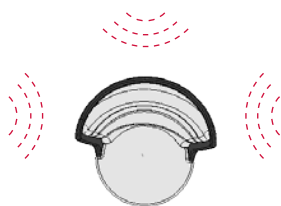
### Base:

Round base support Ø 70 cm made of injected aluminum 8 mm thick, with non-slip felt. Finished with electrostatic epoxy-polyester paint.



## SOUND ABSORPTION

High absorbing performance



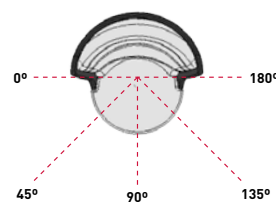
## SELF-RETURN

Returns to its original orientation automatically

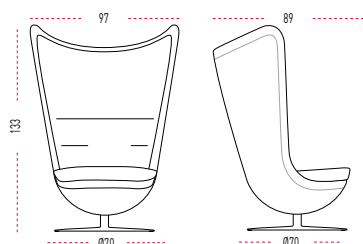


## VISUAL FIELD

Visual opening 180°



## DIMENSIONS



Total height: from 133 cm

Total width: from 97 cm

Total depth: from 89 cm

Seat height: from 45 cm

Seat width: from 68 cm

Seat depth: from 57 cm

## PACKAGING



59,24 kg



1,5 m<sup>3</sup>



1 u/box



No assembly

## ■ SHELL

### POLYURETHANE

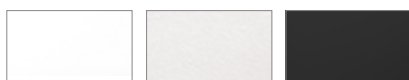
Exterior shell made from rigid injected polyurethane, personalised finishes white gloss, white satin matt, grey satin matt or black satin matt. Easy clean with water and soap.



## ■ BASE

### METALLIC PAINTING

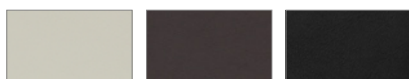
Round base support Ø 70 cm made of injected aluminum 8 mm thick, with non-slip felt. Finished with electrostatic epoxy-polyester paint, personalised finishes white gloss, white satin matt, grey satin matt or black satin matt. Easy clean with water and soap.



## ■ SEAT AND BACK

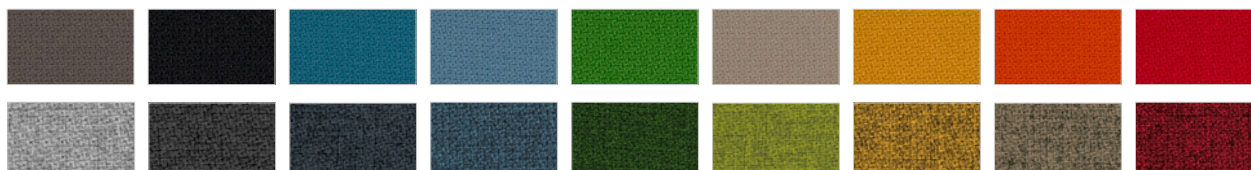
### FABRIC GROUP "J" - COW GRAIN LEATHER

Selected leather quality semi - aniline ( chrome tanning - grain leather cow ), Fire resistant (BS5852:90).



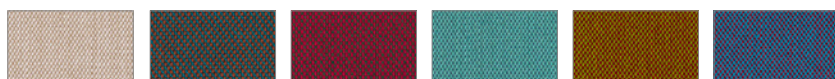
### FABRIC GROUP "M" - MELANGE

100% Trevira CS, a polyester material suited for environments with special cleaning requirements. Fire resistant (BS5852:90).



### FABRIC GROUP "S" - STEELCUT TRIO

High performance upholstery. Polyester 100%, fire resistant (BS EN 1021 -1&2 • BS 5852 P1 - 0).



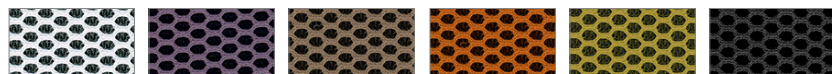
### FABRIC GROUP "B" - BLAZER

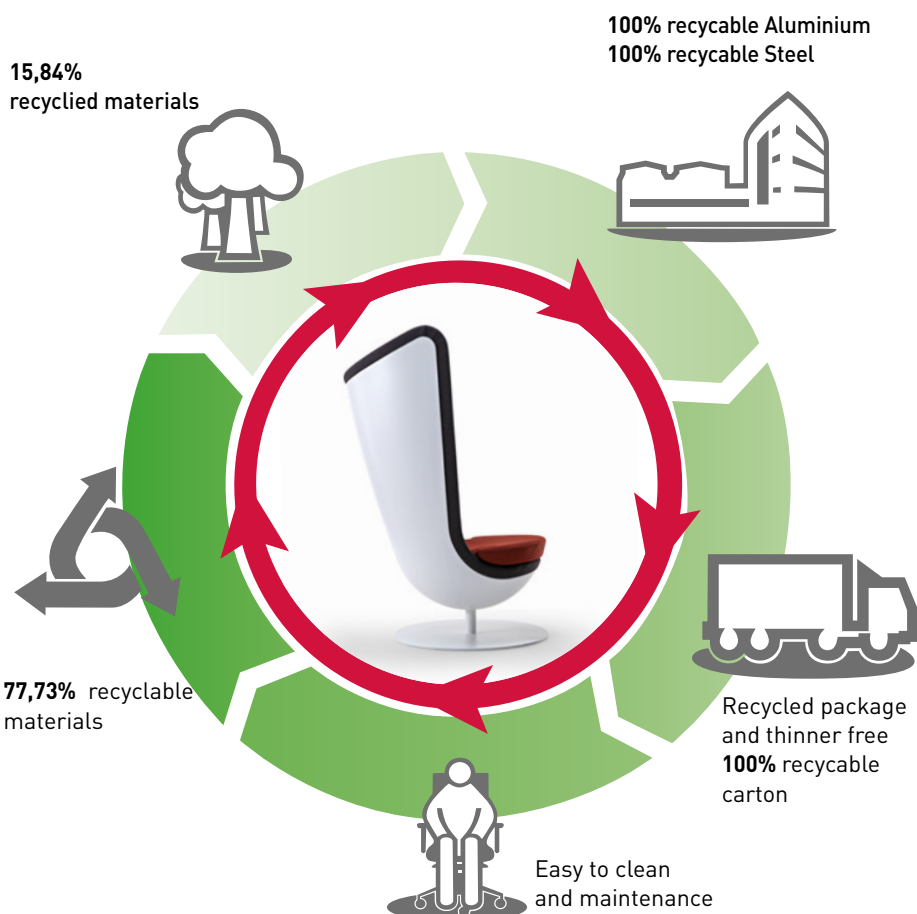
100% Virgin Wool; High performance upholstery. Fire resistant (BS EN 1021 -1&2 • BS 7176:2007 Low Hazard) Environment: EU-Ecolabel.



### FABRIC GROUP "G" - OMEGA

High performance upholstery. Polyester 100%, fire resistant (BS EN 1021 -1&2 • BS 5852 P1 - 0).





## MATERIALS

**BADMINTON** has been designed to be manufactured with recycled materials 15,84%, danger substances such as chrome, mercury or cadmium are not used in big quantity. Recyclables Aluminium, Steel and Wood 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

77,73% recyclable. Easy and quick to split **BADMINTON** 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).





## ■ **ERGONOMICS**

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

## ■ **NORMS**

**BADMINTON** has passed tests done in our technical department as well as the tests done in AIDIMA the Technological Institute for furniture.

**The tests correspond to UNE standards:**

- **UNE-EN 16139:2013.** Furniture. Strength, durability and safety. Requirements for Non-domestic seats.

## ■ **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 **BADMINTON** such as aluminium, steel or wood are totally recyclable.

## ■ **REMARKABLE VALUES**

**1 - BADMINTON** is 100% designed, made and assembled in Spain.

**2 - BADMINTON** highlighted by the almost sculptural design value . The result is a program characterized by its balance based on excellent quality , as it is a product with full guarantees of use, with all functional features needed for office and contract use.

**3 -** High performance as absorbing solution. Quality sound performance with no reverb that provides maximum concentration

**4 -** Visual opening 180 that favors the connectivity and interaction with the environment dynamic and open concept , which allows the conversation , reading or using electronic devices.

**5 -** Auto - return system standard. Allows the seat back to its original orientation once the user stops use.

**6 - 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 (80-90 micron).