LIBRARY - CLASS

biblioteca – rayonnages – bibliothek
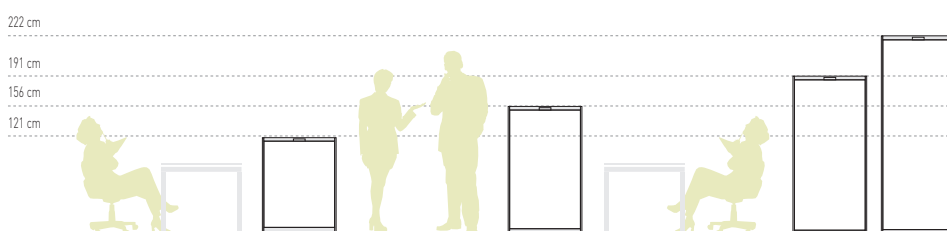
■ **Code:** FTA 1007 062
■ **Description:** Shelving for libraries and general storage

LIBRARY **CLASS**
STABLE AND ROBUST

CLASS, it's a bookcase programme for libraries, filing areas and product exhibitions where versatility, technology and quality are the main characteristics to define a programme suitable for the most demanding projects.

222 cm
191 cm
156 cm
121 cm

■ **CLASS BOOKCASES GENERAL CHARACTERISTICS**

CLASS BOOKCASES GENERAL CHARACTERISTICS		
STRUCTURAL FEATURES	Material	Steel sheet 0,8 mm thickness (possibility 2mm thickness for projects)
	Structure	Easy to assemble and dismantle
	Side panels	Double steel sheet
	Base	Straight base
	Linking devices	Easy and intuitive assemble system. screwing and hooking
	Shelves and accessories	Steel sheet 0,8 mm thickness (possibility 2 mm thickness for projects)
	Accessories Adjustment	Easy adjustment. Grooves every 32 mm
	Handles	Ergonomics and set handles. Zamak
	Locks(available only in doors)	Open-close position. Possibility of an exclusive key. Top security
	Levellers	Easy access. Distance up to +20 mm. Bookcases perfectly lined up
COATING FEATURES	Coating	Electrostatic coat epoxy-polyester - bonding 2nd generation polymerized 200 ºC. Degreasing treatment and nanoceramic application anticorrosion (improvements about 300% in resistance and adherence). No-fingersprint effect.
	Coating thikness (UNE EN ISO 2802:00)	Coating thickness = 90μm
	Adherence in a cross cut(EN ISO 2409)	Surfaces not affected. Not loosings. 5 grades valuation.
	Surface finish	Matt finish.
	Layer hardness (PERSOZ) (UNE EN ISO 1522:07)	D > 220, not penetration in the substrate.
	Impact resistance (UNE EN ISO 6272)	R (12,5 mm) = 50; Not cracks, not remove from the support.
	Anti-corrosive resistance. Salt spray fog (EN ISO 7253)	Essay resistance (R) 500 hours ≤ R ≤ 750 hours.
	Thermical resistance. Warm-cold cycles (UNE 48025)	Not apparent variation. 5 grades valuation.
	Humidity resistance (UNE EN ISO 9227:07)	Achieved. Not bright losing or bubles.
	Light resistance (UNE EN ISO 11341)	Excellent. No cracks neither bubbles. Protected properties remain the same.
	Resistance to chemical products for domestic use without thinner (UNE 48027:80)	Grade 5. Good resistance to acids, alcalys and oils in room temperature.
	Stain resistance (UNE 48027:80)	Not visible fault.
	Maintenance	Easy to maintenance and clean. Recommended to use PH neutral products.
	Anti-bacterium layer	Optional protection for Health, children education, food laboratories requirements....

■ **FINISHES**

Metal frame

White   Silver

(See finishes cards)

MFC frame

White   Maple   Walnut - N   Chestnut

Accessories | Interiors (steel)

White   Silver   Pistachie   Orange

Accessories (Methacrylate or Acrylic (PS)

Strawberry   Lime green   PS (Frosted)

Doors | Cabinets

Clear

CLASS 10 - STEEL SIDE PANELS MODULES. SINGLE OR DOUBLE FACE

Side panels: Melamine board 10 mm width in natural wooden finishes.
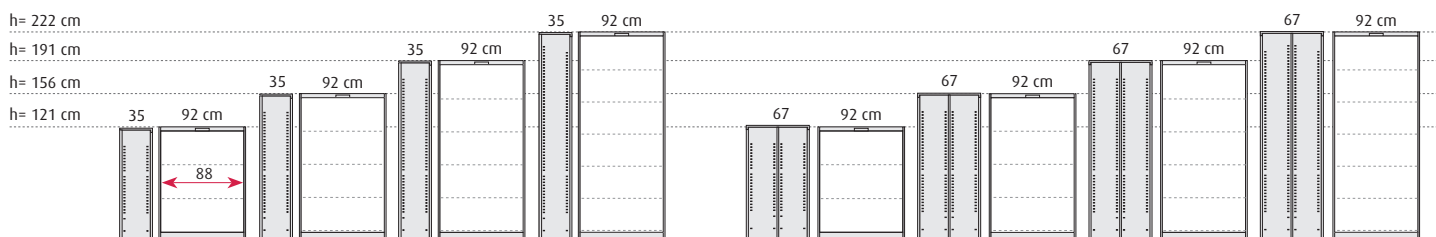
1. Steel 0,8 mm thickness
2. Steel accessories 0,8 mm thickness up to 2mm thickness,**optional**
3. Electrostatic coating. 90um thickness
4. No finger print treatment
5. Matt finish
6. Anti-oxidation
7. Dismantle frame
8. Single or double faced
9. Intuitive linking system
10. Height adjustment shelves
11. Inner leveling
12. **Optional** anti-tilt mechanism **(fixed to the wall)**
13. Straight base
14. Signage support
15. **Optional** accessories
16. **Optional** tops
17. Stabilizing frame. **1** Steel tube 30 x 10 mm and 1,5 mm thickness. Steel back panel **2** 0,8 mm or MFC back panel 10 mm thickness.
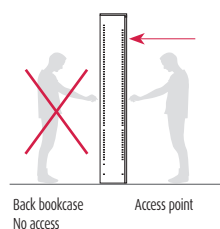18. **Optional** back divider
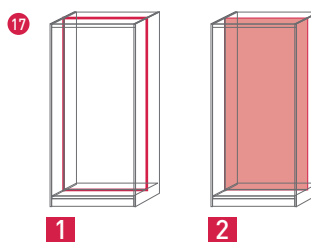
1 Steel stabilizing frame
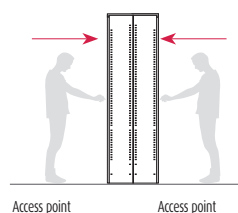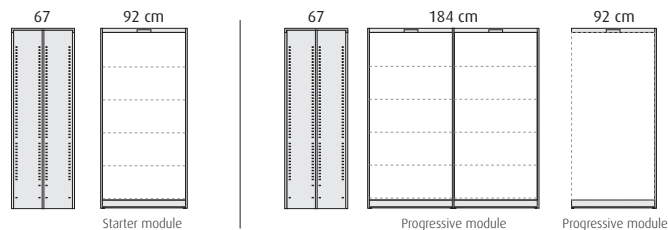2 Double MFC or steel back panel. **Optional**

■ SIZES AND MODULES

h= 222 cm

h= 191 cm

h= 156 cm

h= 121 cm

| 35 | 92 cm | 35 | 92 cm | 35 | 92 cm | 35 | 92 cm | 67 | 92 cm | 67 | 92 cm | 67 | 92 cm | 67 | 92 cm |

88

■ Single access modules:

ALWAYS FIXED ON THE WALL

Only one face access

Back bookcase
No access

Access point

■ Double face modules:

Module accessible double face

Access point   Access point

| 35 | 92 cm | 35 | 184 cm | 92 cm |
| Starter module | | Progressive module | Progressive module |

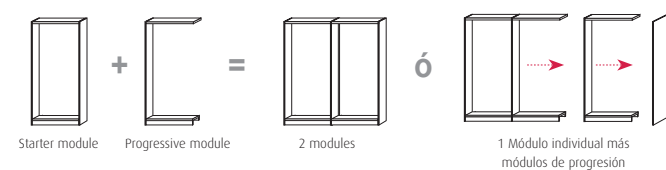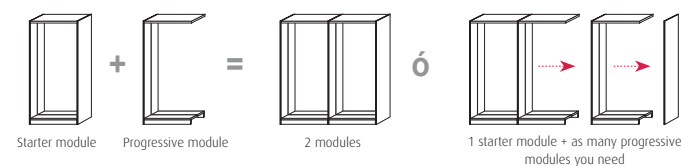| 67 | 92 cm | 67 | 184 cm | 92 cm |
| Starter module | | Progressive module | Progressive module |
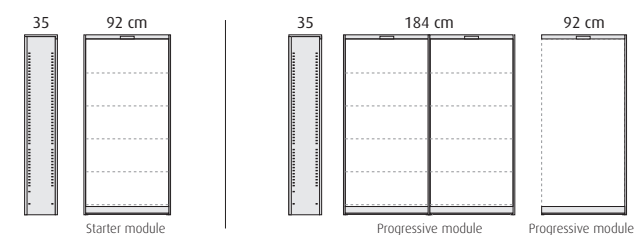
■ PROGRESSIVE SYSTEM

Class 10 bookcases with steel side panels are also progressive, both in 1 access modules and in the double face modules. To be able to get a progression, <u>it is necessary to order the starter modules plus the progressive modules.</u> **Note: Single modules can't receive progressive modules**
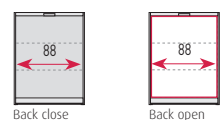
■ Single access module:

Starter module + Progressive module = 2 modules   ó   1 Módulo individual más módulos de progresión

■ Double face module:

Starter module + Progressive module = 2 modules   ó   1 starter module + as many progressive modules you need

■ BACKS

LIBRARY SHELVING INCLUDE BACKS WHICH CAN BE OPENED OR CLOSED

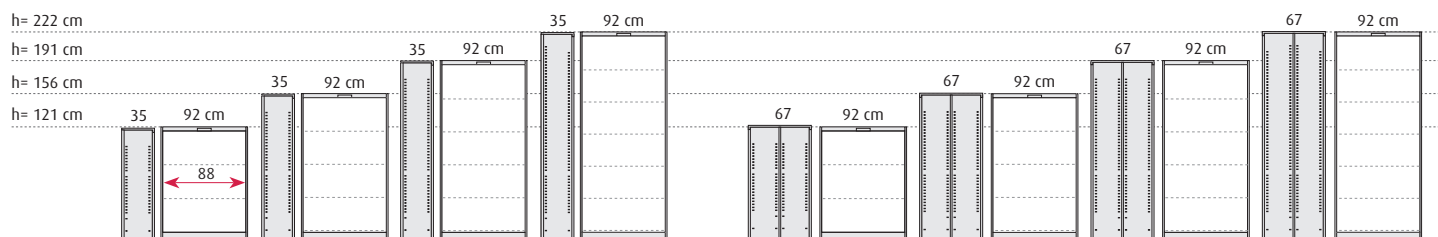| 88 | 88 |
| Back close | Back open |

■ CLASS 20 - MFC SIDE PANELS SINGLE OR DOUBLE FACE

1. MFC 25 mm thickness
2. Steel accessories 0,8 mm thickness up to 2 mm thickness. **Optional**
3. Electrostatic coating. 90um thickness No finger print treatment
4. Matt finish
5. Anti-oxidation
6. Dismantle frame
7. Single or double faced
8. Intuitive linking system
9. Height adjustment shelves
10. Inner leveling
11. **Optional** anti-tilt mechanism **(fixed to the wall)**
12. Straight base
13. Signage support
14. Open backs manufactured by steel
15. Stabilizing frame. **1** Steel tube 30 x 10 mm and 1,5 mm thickness. **2** MFC back panel 10 mm thickness.
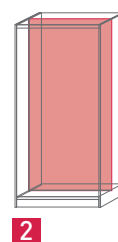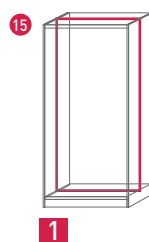
1 Steel stabilizing frame
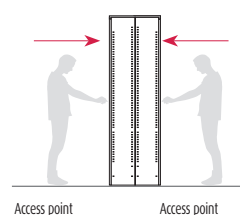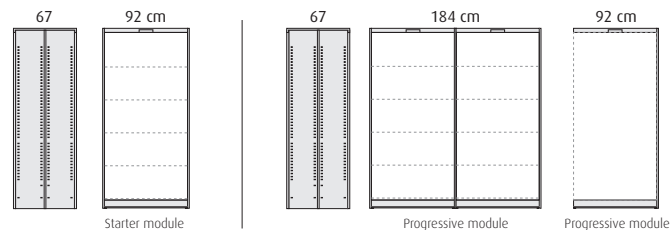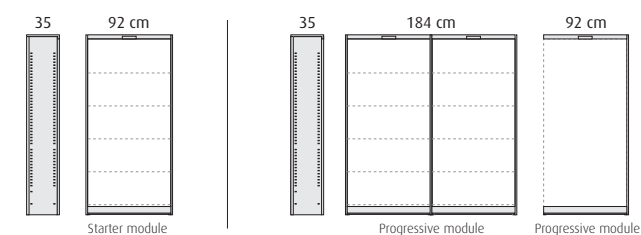**2** Double MFC or steel back panel. **Optional**

SIZES AND MODULES

h= 222 cm
h= 191 cm
h= 156 cm
h= 121 cm

35   92 cm   35   92 cm   35   92 cm   35   92 cm   67   92 cm   67   92 cm   67   92 cm   67   92 cm

88

Single access modules:

ALWAYS FIXED ON THE WALL

Back bookcase
No access

Access point

Only one face access

35   92 cm

Starter module

35   184 cm   92 cm

Progressive module   Progressive module

Double face modules:

Access point   Access point

Module accessible double face

67   92 cm

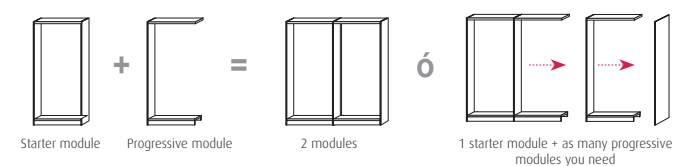Starter module

67   184 cm   92 cm
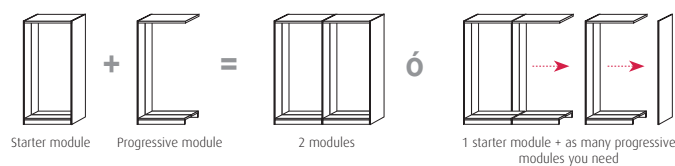
Progressive module   Progressive module

PROGRESSIVE SYSTEM

Class 20 bookcases with steel side panels are also progressive, both in 1 access modules and in the double face modules. To be able to get a progression, <u>it is necessary to order the starter modules plus the progressive modules.</u> **Note: Single modules can't receive progressive modules**

Single access module:

Starter module   +   Progressive module   =   2 modules   ó   1 starter module + as many progressive modules you need

Double face module:

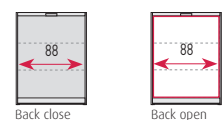Starter module   +   Progressive module   =   2 modules   ó   1 starter module + as many progressive modules you need

BACKS

LIBRARY SHELVING INCLUDE BACKS WHICH CAN BE OPENED OR CLOSED

88

Back close

88

Back open
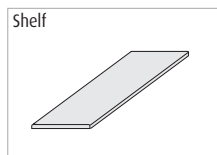
1

Shelf: Steel sheet with double panel thickness 0,8 mm with dimensions 88 x 32 cm
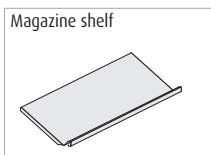
2

Magazine shelf: Steel Sheet with double thickness 0,8 mm with dimensions 88 x 36 cm
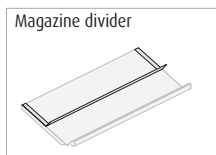
3

Magazine divider: Steel sheet with double panel thickness 0,8 mm and 88 cm length
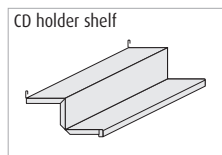
4

CD holder shelf: Steel Sheet with double thickness 0,8 mm with dimensions 88 x 32 cm
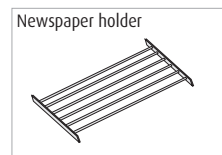
5

Newspaper holder: Consists of side brackets 1,5 mm thickness and steel tubes of 12 mm
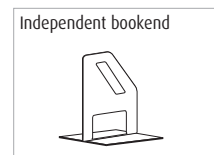
6

Independent bookend: Steel sheet with double panel thickness 2 mm with integrated foot support. Dimensions 23 x 16 cm

Fixed bookend

7

Fixed bookend: Steel sheet with double thickness 2 mm, with an integrated grip system. Dimensions 23 x 16 cm

Pull out shelf

8

Pull out shelf: Steel sheet with double panel thickness 0,8 mm and dimensions 88 x 32 cm with telescopic guides using steel balls

Divider drawer
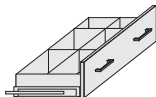
9

Drawer: Frame made from steel sheet 0,8 mm thickness and dimensions 84 x 26,5 x (h) 10 cm. Frontal height 15,5 cm made in 0,8 steel sheet or from a 16 mm melamine board. With telescopic gu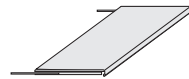ides using steel balls. Surface handles made of zinc. Interior dividers made from sheet steel 0,8 mm and 10 cm height (6 compartments)

Single Display stand

10

Single display stand: Steel sheet with double panel thickness 0,8 mm with dimensions 44 x 32 cm with a top steel frame in the shape of an 'H' and steel width 1,5 mm. You must always use it with metal top shelf

Double display stand

11

Double display stand: Steel sheet with double panel thickness 0,8 mm with dimensions 88 x 32 cm with a top steel frame in the shape of an 'H' and steel width 1,5 mm. You must always use it with metal top shelf

Back panel divider
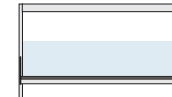
12

Back panel divider: Dimensions 83 x 22 cm available in translucent polystyrene (Ps) 5 mm thickness or methacrylate in strawberry or kiwi finishes 6 mm thickness, only applicable to double shelves and shelves at the same level on both sides
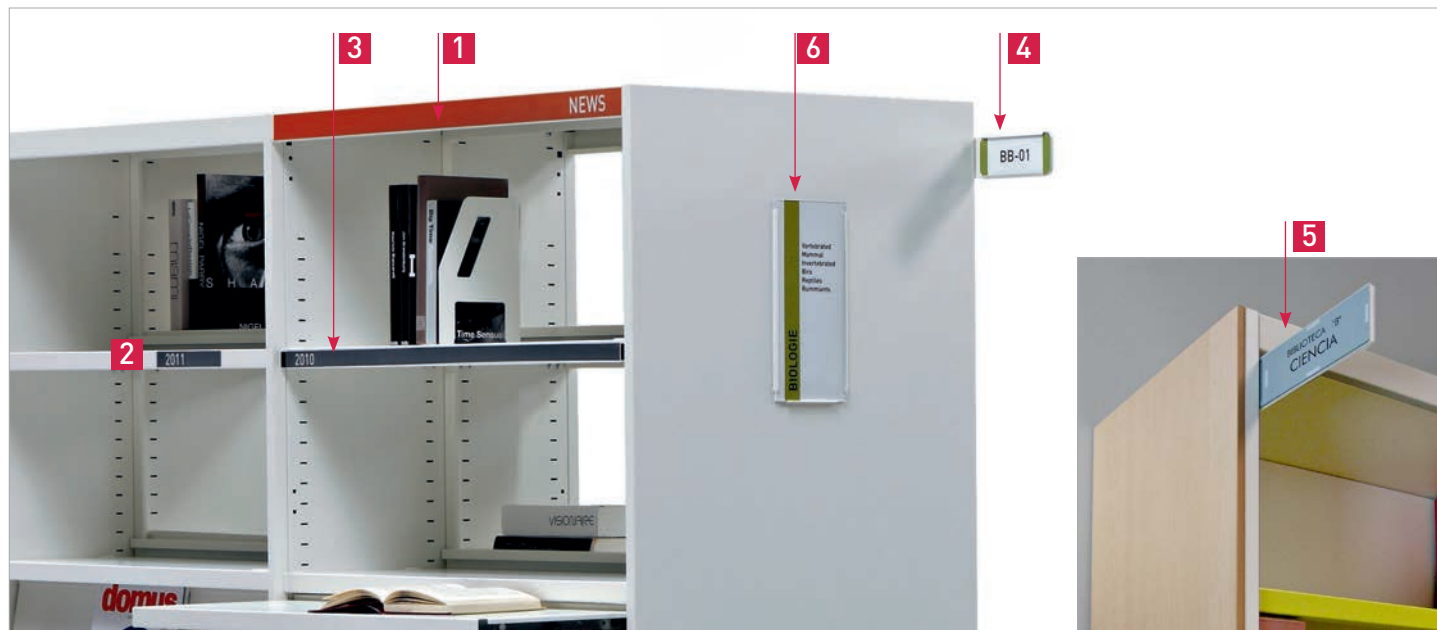
1 **Top label:** Extruded transparent Methacrylate frame (PMMA) and 88 cm length for periodic replacement of identification

2 **Movable Shelf:** Extruded transparent Methacrylate frame (PMMA) and 15 cm length for periodic replacement of identification. It allows movement along the accessory upon which it is installed.

3 **Fixed Label Holder:** methacrylate frame extruding transparent (PMMA) and 88 cm length, for periodically substituting the identification

4 **Front view:** Double panelled steel sheet with an integrated grip system using double panelled and laminated methacrylate parallel to the back of the shelving

5 **Side view:** Double panelled steel sheet with an integrated grip system using double panelled and laminated methacrylate parallel to the back of the shelving

6 **Row Content directory:** Double panelled steel sheet, with an integrated grip system using double panelled and laminated methacrylate, situated upon a side structure
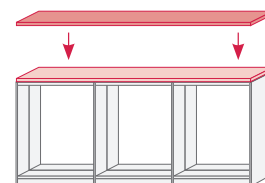
The possibility of incorporating top covers allows

Cabinets with doors: With keys. Made from anodized aluminium with interior transparent glass. Surface handles made of zinc finished aluminized. Security lock using flat side latches with sliding length. Automatic block hinges with three-dimensional adjustment and auto lock

WITH plinth trim for bottom drawer

Plinth trim for interior drawers: Steel plate 0,88 mm **Optional.** Only for drawers which are situated directly on the plinth base. Drawer fastened

Trolley book holder: Consists of a steel tube structure 30 mm with lower castors and an interior melamine drawer 19 mm accessible to both sides

WITHOUT plinth trim for bottom drawer

MATERIALS

CLASS 10 has been designed to avoid the use of 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

97,55% recyclable. Easy and quick to split **CLASS 10** components. Packages are reuse by our supplier to avoid waste generation. Carton used in packages is recyclable.

100% recycable Aluminium
100% recycable Steel
100% recycable Wood

Recycled package and thinner free **100%** recycable carton

Easy to clean and maintenance

97,55% recyclable materials

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).

FSC
www.fsc.org
FSC® C106678
The mark of responsible forestry

PEFC
PEFC/04-31-0782
PEFC Certificate

AENOR
Ecodiseño
ED-0011/2010
EN ISO 14006:2011
ECODESIGN Certificate

AENOR
Empresa Registrada
ER-0597/2001
IQNet
UNE-EN ISO 9001:2008
ISO 9001 Certificate

AENOR
Gestión Ambiental
GA-2003/0202
IQNet
UNE-EN ISO 14001:2004
ISO 14001 Certificate

E1
EN 13986
ACTIU PRODUCE Y UTILIZA TABLEROS CLASE E1 ESTANDAR - NORMA EUROPEA
E1 by EN 13986 Certificate

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

MATERIALS

CLASS 20 has been designed to be manufactured with recycled materials 24,92%, danger substances such as chrome, mercury or cadnio are not used in big quantity. Recycable Aluminium, Steel or Wood 100%. Organic volatile Components. Packages manufactured with recycled carton. Ink thinner free.

24,92% recyclied materials

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.

100% recycable Aluminium
100% recycable Steel
100% recycable Wood

TRANSPORT

Optimum packaging to reduce space in transport and save energy.

98,61% recyclable materials

Recycled package and thinner free **100%** recycable carton

USE

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

Easy to clean and maintenance

DISPOSAL

98,61% recycable. Easy and quick to split **CLASS 20** components. Packages are reuse by our supplier to avoid waste generation. Carton used in packages is recyclable.

CERTIFICATES AND REFERENCES

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EN ISO 14006:2011
ECODESIGN Certificate

AENOR
Empresa Registrada
ER-0597/2001
CERTIFIED QUALITY SYSTEM
IQNet
UNE-EN ISO 9001:2008
ISO 9001 Certificate

AENOR
Gestión Ambiental
GA-2003/0202
CERTIFIED MANAGEMENT SYSTEM
IQNet
UNE-EN ISO 14001:2004
ISO 14001 Certificate

ACTIU PRODUCE Y UTILIZA TABLEROS
E1
EN 13986
CLASE E1 ESTANDAR - NORMA EUROPEA
E1 by EN 13986 Certificate

U.S. GREEN BUILDING COUNCIL
LEED GOLD
USGBC™
ACTIU TECHNOLOGICAL PARK
project certified as LEED® GOLD
by U.S. Green Building Council 2011
Leadership in Energy & Environmental Design

■ STANDARDS

CLASS have passed all test done in our tecnological laboratory as well as the essays done in **(AIDIMA)** Furniture Technological Institute:

UNE EN ISO 14073. Office Furniture. Furniture Storage.

- UNE-CEN/TR 14073-1:2005 IN. Office Furniture. Furniture Storage. Part 1: Dimensions.

- UNE-EN 14073-2:2005. Office Furniture. Archive furniture. Part 2: Mechanical security requirements.

■ ACCESSIBILITY

Comfortable and opened. We design furniture which solve the needs at any moment; perfectly integrated in the different working spaces of the nowadays businesses: Agile and efficient and multipurpose. These modules allow separating working spaces providing confidentiality and privacy. This filing solution has been thought for the daily use.

■ STRONG

Stable and Solid. Resistant furniture. Precise finishes with delicate details. To get this, we have the most avant garde technology.

Storages are manufactured with double side panels which provide great stability, strength and resistance to guarantee a long lasting product.

■ 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 Library Class such as Aluminium, Steel and Wood sare totally recyclable.

SUSTAINABLE CERTIFICATE

ACTIU has **PEFC y FSC,** certificate to proof that the wood used in our products comes from sustainable exploitations and **ECODESIGN ISO 14006 certificate**.

■ **REMARKABLE VALUES**

1 – Legs covered with epoxy coating, bonding 2nd generation polymerized 200°C. Non-greasy treatments and nano-ceramics application to improve the coating so it becomes more resistance and long-lasting.

2 - Coating 80-90 micron thickness (it could be different as per the project requirements)

This covering guarantees the finish and maintenance of metal structures.**3 -** Acabado superficial antibacterias opcional.

Antibacterial finish (Optional).

3 - <u>Painting process</u>:

 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.

<u>All water used</u> in the process is re-used, so we get <u>zero dump</u>.

The process is free in heavy metal, phosphate, organic components and DQD (Biochemical demand of Oxygen).

The necessary hydrogen to cut the metal is generated in the cutting plant just before use it:

Important energy saving

We do not transport or store gas.

4 - Integrated solutions to adapt **optional** elements, castors, tops, shelves, dividers...

5 - ACTIU has **PEFC y FSC,** certificate to proof that the wood used in our products comes from sustainable exploitations and **ECODESIGN ISO 14006 certificate**.