Aptum M | 248

Aptum M 248

Technical specifications

› Timber components
· Seat structure made of beech wood and high density wood.

› Structure
· Base of steel plate.

› Polypropylene
· Material: Copolymer Polypropylene 30% GF.
· Tensile strength as per ISO 527-2: 50 Mpa.
· Tensile Modulus as per ISO 527-2.1 : 3600 Mpa.

› Paint
· Electrostatic polyester powder.
· Coat thickness: 70-80 microns.
· Grid adherence according UNE-EN ISO 2409: 100%.

› Cut foam (Polyurethane foam)
· Seat density: 50 Kg/m^3.
· Backrest density: 50 Kg/m^3

› Varnish
· Material: Bicomponent PU Varnish (water or solvent based)

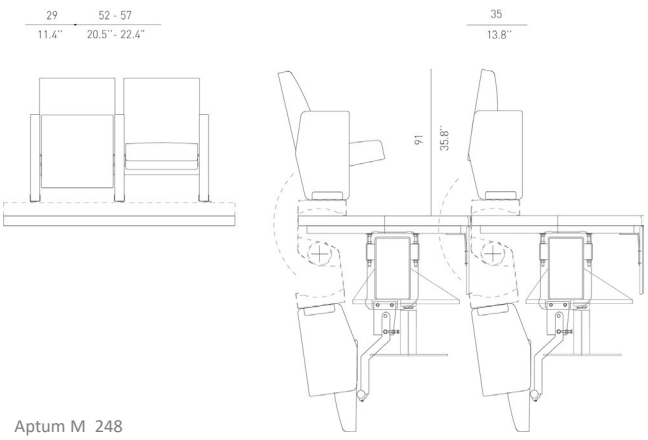
› Upholstery
· Fire rating standards:
- Spain: UNE-EN 1021 Parts 1 and 2.
- France: NF D 60-013.
- Italy: UNI 9175 Class 1.IM.
- Germany: DIN 66084.
- USA: CAL TB117.

› Fire rating standards on finished product·:
· BS 5852. Clause12. Ignition sources 0,1 and 5 (with approved fabric).
· USA:CAL T.B. 133 (with approved fabric).

› Resistance and durability classification
·UNE-EN 12727 Level 4 (Severe use).

› Registered Community Desing
· Figueras has the IP rights protection for this product in EU as Registered Community Design by virtue of model number 007432372.

General dimensions



Aptum M 248

General Description

› Seat of great simplicity, with a timeless lines design and high versatility, suitable for multipurpose spaces. Specifically designed for the application in the Mutaverse System.

· It is distinctive for its great flexibility due to the characteristics of its components. It provides more ease in the variation of its dimensions and inclinations, improving suitability to the different configurations of the room .

· The Aptum seat offers a variety of product versions and multiple finishing options, making it easier to customize.

· Combined with the Aptum 246 model, it provides optimum equipment for halls with different configurations and uses.

› Seat

· The seat is manufactured with an interior frame made of beech wood and high quality interlocked elastic belts and covered with 50 kg/m3 fireproof and CFC free polyurethane open cell foam. This technology provides a balanced distribution of body weight, giving a greater comfort to the user.

· The upholstery is crafted by master upholsterers, who adjust it to the shape of the seat.

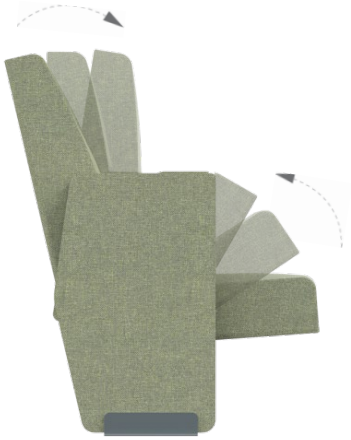
· The automatic return of the seat is carried out by means of a double ball-and-socket joint system with springs and Controlled Soft Rise Technology to achieve a slow and silent return of the seat, ensuring a perfect alignment.

› Backrest

· The backrest is made with an interior frame of beech wood and elastic mesh, covered with 50 kg/m3 fireproof and CFC-free polyurethane open cell foam.

· The upholstery, as in the seat, is adjusted to the shape of the backrest.

· Its design incorporates a lumbar support that provides great comfort to the seat and complies with the most rigorous ergonomics standards for collectivities seats.



· It is fixed to a structure with a tilting mechanism, which is used as a connection between the sides, providing a forward movement of the backrest when the seat is not in use. Likewise, this movement ensures an optimal ergonomic inclination of the backrest when in use.

· When the seat is unoccupied, the backrest automatically adopts a vertical position to minimize the depth of the seat and to facilitate its rotation on the system.

· This tilting structure is also responsible for supporting the Controlled Soft Rise Technollogy for the automatic smooth seat return system.

› Side

· Sides are manufactured of high density wooden block, completely upholstered up to the base.

· The base for fixing the seat to the Mutaverse System's tilting platform is made of a powder-coated steel plate.

› Numbering

· Row numbering system placed on an polyamide plate fixed to the end-of-row side.

· Seat numbering system placed on a polyamide plate fixed to the seat through a pressure clip.

· Reaction to fire: this product complies with international regulations.

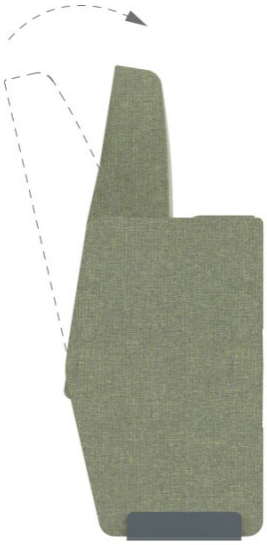
FIGUERAS

General Description

› Key Strengths

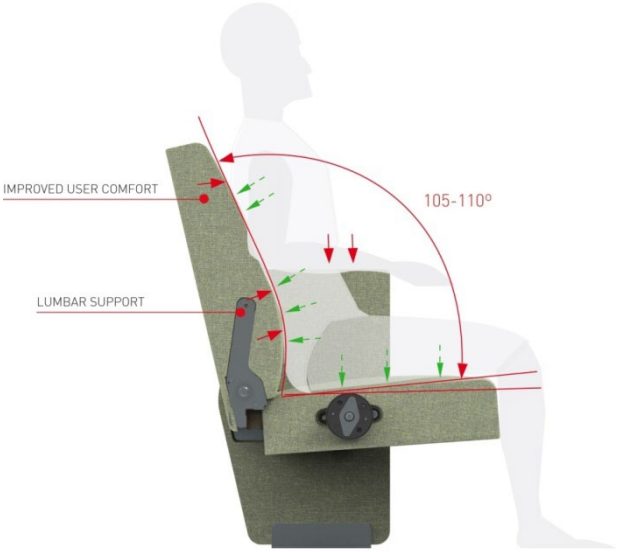
· Multiple finishes available for customization

· Automatic return of the backrest in vertical position when it is unoccupied.



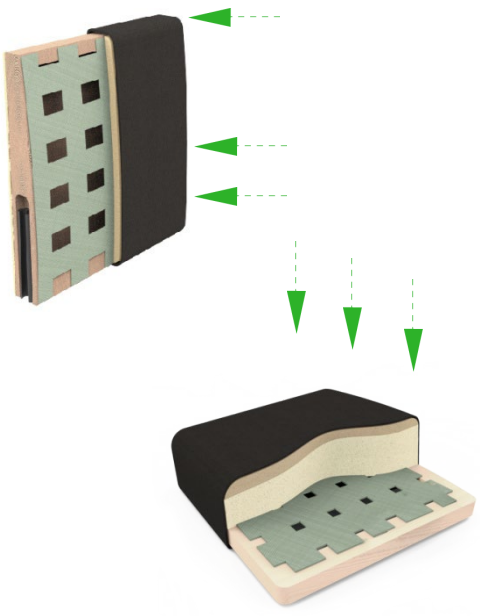
· Seat fulfilling the most rigorous standards of ERGONOMICS for collective seating

· Its design incorporates a lumbar support that provides great comfort to the seat



Seat Ergonomics

· Seat and backrest manufactured with inner frame of beech wood and high quality interlaced elastic belts covered with open cell PUR foam. It provides perfect adaptation to the user's anthropometric measurements and gives the seat an important sense of comfort.



Seat and backrest assembly section view

Functional Description

› Mutaverse System

· Mutaverse is a space configuration system that stores the seats under the floor, specially designed to generate multipurpose spaces.

- Conversion time between 10 and 30 minutes
- Great variety of possible configurations
- Can be applied in Cabaret, plain or tiered floor and other configurations and performances of very different characteristics.

› Mutaverse Rotation System

· The seats automatically rotate from the storage position to the deployed position leaving the room ready for other configuratuions.

· Its design is built on a steel structure with a rotation mechanism that stores the groups of up to 12 seats under the floor.

· Once the system is fully deployed, the covers of the system are transformed into a walking surface among rows, allowing the room to be ready in a few minutes. Its design provides fast, versatile and easy handling of the system.

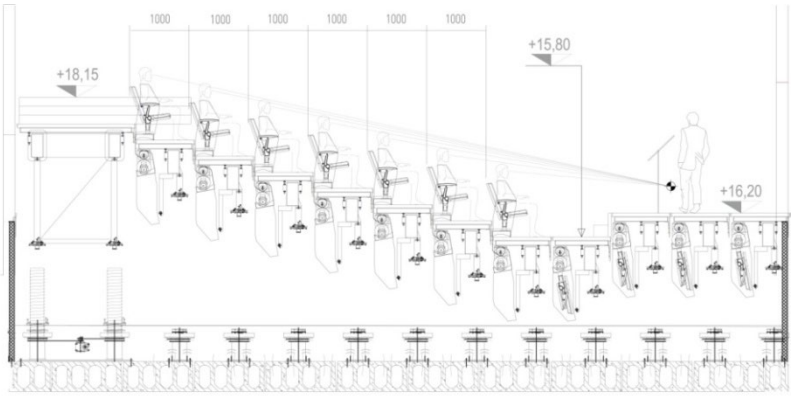
· Once all the rows have been folded, the space will be completely useful for all purposes, such as conferences, dinners, exhibitions or any other recreational event.

› Independent movement platforms for each row

· The folding and unfolding movements of each row are individually programmed to provide maximum versatility to the installation, allowing different seating configurations; free seat hall and partial or total seating capacity.

· Each group of seats works individually, facilitating maintenance

· Suitable for various linear and curved configurations



Application with model minispace 5071

› Application of the Aptum seat to the Mutaverse System

· The seat is fixed on a metal plate base designed to adapt to different seats models. This plate will turn the seat to the rear while performing the automatic folding movement of the system, leaving the seat hanging downwards. All the moving parts of the seat cannot be opened while the folding movement of the system is being carried out.

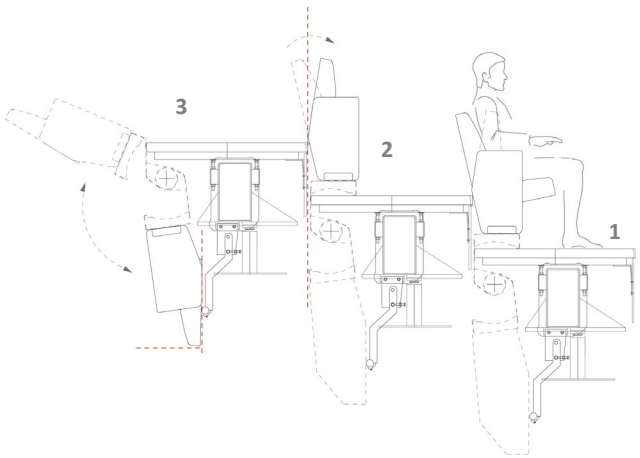
· Once the seats are rotated, the row is lowered to store the seats under the floor.

· One of the main advantage of the APTUM seat is the automatic return of the backrest in vertical position when it is unoccupied, allowing:

I. Minimizes space transformation time, since the rows can be lifted without interfering with the rear row of seats.

II. Shorter seat rows and a reduced pit depth, if required.

III.Provides more space between rows, allowing extra transit space when the seats are unoccupied.



Materials and finishes

› Metal Parts Features

· The steel complies with the following European standards:
- Tube up to 2mm thick: Alloy designation according to UNE-EN 10305 part 3: E-220.
- Tube more than 2 mm thick: Alloy designation S275JR.
- Plate: alloy designation according to EN 10111: DD12.

› Protection and Paint of Metal Parts

· Prior to powder coating, metal parts are treated with a three stage, non-acidic cleaning process to achieve superior finish adhesion. The finishing of the thermosetting polyester powder coating must be applied by electrostatic means with a minimum thickness of 70-80microns.

· After coating, the parts must be oven cured to create a durable finishing that meets the following requirements:
- Composition: Polyester powder suitable for outdoor use.
- Cross Cut Test Adhesion according to UNE-EN ISO 2409 classification GT 0-1.
- Scratch resistance according to ISO 15184:98 Level HB-H.
- Total thickness: 70-80Microns.
- Rust resistance (NSS), according to ISO 9220: 200 h.
- Resistance to MEK 50 double rubs without paint stripping.

› Seat and Backrest Cushions Features

· The seat and backrest cushions are made of open-cell polyurethane foam.

· The upholstery of the cushions is handcrafted, allowing all types of upholstery: fabrics, similar leather or natural leather, within the range of products approved by Figueras.

· This allows the seat to be customized according to each project's requirements.

· Optionally, a fire barrier can be incorporated between the upholstery and the PUR foam.

· They comply with all international fire behaviour requirements.

· Seat foam density: 50kg/m^3

· Backrest foam density: 50Kg/m^3

› Upholstery

· Group A:
Figueras Fabrics ®

· Group B:

· Group V:

· Group L:

(*) Fabric sample / printed by collection. Check colours available.

› Finishes for wood parts

› Pigments for metal parts

Ask our team for further available options

Environmental and quality certifications

· This product has been designed following the guidelines set out in the Ecodesign management system certified in accordance with the UNE-EN ISO 14006 standard.

· The manufacture of this product has been carried out according to the environmental management system certified in accordance with the UNE-EN ISO 14001 standard.

· The quality management of this product has been carried out in accordance with the quality system certified in accordance with the UNE-EN ISO 9001 standard.

TÜVRheinland CERTIFICADO
Sistema de Gestión
ISO 9001:2008
ISO 14001:2004
UNE-EN ISO 14006
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ID 9105011873

Certificate

Standard: ISO 9001:2015

Certificate Registr. No. 0.04.13223

TÜV Rheinland Ibérica Inspection, Certification & Testing S.A. certifies:

Certificate Owner: FIGUERAS SEATING SOLUTIONS, S.L.
C/ Anselm Clavé, 224
E-08186 Lliçà d'Amunt (Barcelona)

Scope: Design, sales, manufacture, supply and installation of seats for public installations.

An audit was performed, Report No. 0.04.13223 Proof has been furnished that the requirements according to ISO 9001:2015 are fulfilled.

Validity: The due date for all future audits is 07-09 (mm - dd).
The certificate is valid from 2019-10-10 until 2022-10-09.
First certification 2001

2019-08-01 TÜV Rheinland Ibérica Inspection, Certification & Testing S.A. Garrotxa, 10-12 – E-08820 El Prat de Llobregat

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Certificate

Standard: ISO 14001:2015

Certificate Registr. No. 3.00.03014

TÜV Rheinland Ibérica Inspection, Certification & Testing S.A. certifies:

Certificate Owner: FIGUERAS SEATING SOLUTIONS, S.L.
C/ Anselm Clavé, 224
E-08186 Lliçà d'Amunt (Barcelona)

Scope: Design, sales, manufacture, supply and installation of seats for public installations

An audit was performed, Report No. 3.00.03014 Proof has been furnished that the requirements according to ISO 14001:2015 are fulfilled.

Validity: The due date for all future audits is 09-30 (mm - dd).
The certificate is valid from 2019-01-15 until 2021-12-30 .
First certification 2003
Date of the transition audit: 2018-07-05
Expiry date of last cycle: 2018-09-14

2019-01-17 TÜV Rheinland Ibérica Inspection, Certification & Testing S.A. Garrotxa, 10-12 – E-08820 El Prat de Llobregat

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Certificate

Standard: UNE-EN ISO 14006:2011 Environmental management systems - Guidelines for incorporating ecodesign.

Certificate Registr. No. 00/170011

TÜV Rheinland Ibérica Inspection, Certification & Testing S.A. certify:

Certificate Owner: FIGUERAS
FIGUERAS SEATING SOLUTIONS, S.L.
C/ Anselm Clavé, 224
08186 Lliçà d'Amunt (Barcelona)
Spain

Scope: Design, sale, manufacture, supply and installation of seats for public facilities.

Validity: An audit was performed, Report No. 00/170011.
Proof has been furnished that the requirements according to UNE-EN ISO 14006:2011 are fulfilled.

The due date for all future audits is 06-07 (dd-mm).

The certificate is valid from 2018-02-23 until 2021-02-22.
First certification 2018

2018-02-23 TÜV Rheinland Ibérica Inspection, Certification & Testing S.A. Garrotxa, 10-12 – E-08820 El Prat de Llobregat

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