

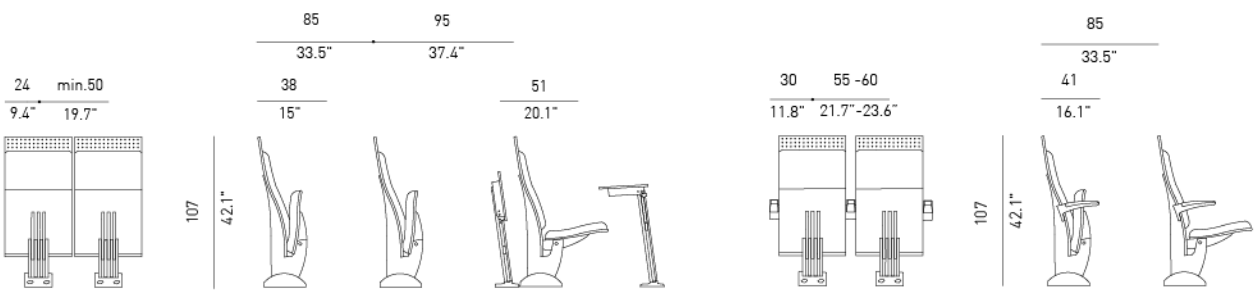


Flame 13107

### Technical specifications

- › **Structure**
  - Extruded aluminium profile structure.
- › **Paint**
  - Electrostatic powder polyester paint.
  - Paint Thickness: 70-80 microns.
  - Grid adhesion according to UNE-EN ISO 2409 : 100%.
- › **Upholstery**
  - Reaction to fire 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.
- › **Timber components**
  - Pressed beech plywood.
- › **Varnish**
  - Material: Bicomponent PU Varnish (water or solvent based)
- › **Aluminium**
  - Die cast aluminium alloy
  - Tensile strength (Rm)=240 Mpa
  - Elongation <1%
- › **Slab foam (Polyurethane foam)**
  - Seat density: 40 Kg/m<sup>3</sup>
  - Backrest density: 35-39 Kg/m<sup>3</sup>
- › **Fire resistance**
  - BS 5852. Clause 12. 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).

### General dimensions



Flame 13107

Flame 13107 + F 48

Flame 13107 + Armrests

However, for the purpose of facilitating to the customer the latest novelties, FIGUERAS reserves the right to introduce the modifications and variations that it considers most appropriate and suitable for marketing its products.

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### General description

- Seat featuring exceptionally clean lines, simplicity, robustness and elegance, and special acoustic qualities.
- Seat with folding seat, whose design and materials have been specially chosen so that the product easily adapts to the acoustic requirements of a wide range of facilities.
- The backrest is made of 15 mm-thick beech plywood board, with a curve in the lumbar area. The upper part of the board features three rows of perforations.

- The seat folds up automatically by means of an extremely quiet spring system called Controlled Soft Rise Technology, which requires no maintenance.



- The seat is also made of beech plywood and presents a studied curvature.
- The seat and backrest padding is made of open-cell polyurethane mounted on plywood panels, which makes it easy to remove and replace. The upholstery also has special acoustic qualities.

- The seat is mounted on a structure formed by a single, robust central support made of die-cast aluminium, to which the backrest is attached. This articulates the seat and anchors the seat to the floor. This is achieved through four anchorage points. It is installed individually, which means that can be easily adapted to a wide range of linear and curved layouts.

- Fire performance: this product complies with international regulations.



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## 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 upholstery of the cushions is handcrafted, allowing all types of upholstery: fabrics, simile 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.

### › Upholstery

#### • Group A:

Figueras Fabrics ®



#### • Group B:



#### • Group V:



Tecno Valencia (\*)

#### • Group L:



Florencia (\*)

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

### › Finishes for wood parts



Natural Beech ST01   Hazelnut ST02   Light Walnut OP03   American Oak OP04   Wengé OP05   Mahogany OP06   Cherry OP07

### › Pigments for metal parts



Black N200

Ask our team for further available options