Flex | 6040 GPL

FIGUERAS

Flex 6040 GPL

Technical specifications

› Structure
· Made of tube and steel plate arc welding with continuous wire.

› Polyurethane foam
· Seat density: 60-65 Kg/m^3.
· Backrest density: 50-55 Kg/m^3.

› 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%.

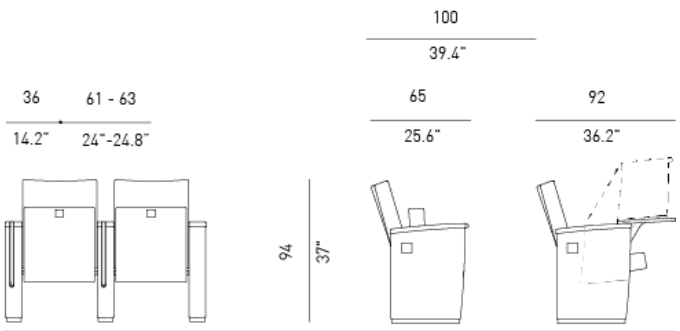
› Leather
· Adhesion to finish according UNE-EN ISO 11644: >2.5 N/cm^2.
· Resistance to rubbing according UNE-EN ISO 11640: (Dry, 1.000 Cycles) >4.

› 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).

› Ergonomics and Comfort IBV
· Seat tested in official laboratory - IBV - Instituto de Biomecánica de Valencia.

General dimensions



Flex 6040 GPL

General description

› A complete work unit: integrated seat and folding table, with elegant cubic geometry and sober lines. Very generous dimensions. Fully upholstered

· Seat with integrated table, designed to be located in conference and congress rooms, which stands out for its exceptional balance between performance, comfort, aesthetics and use of space.

· The return movement of the table is smooth, continuous and completely silent with integrated Controlled Soft Rise Technology System. It is an anti-panic table. In other words, when the seat is dislodged, it is automatically retracted on the side of the seat, thus avoiding blocking the passage in the event of a possible evacuation from the room. The table is made of varnished wood, which can also be lacquered.

· Long durability, as the seat consists of a compact monobloc made up of cold-molded polyurethane foam that completely covers a metal structure, consisting of a curved tube frame, a weft of flat springs and articulation pivots for turning. The block is covered with an easily interchangeable upholstery cover with a zipper system. The backrest is of the same characteristics.

· The side is made up of a compact upholstered monobloc and its upper part is finished in a varnished or lacquered beech plywood armrest.

· Controlled Soft Rise Technology System: The seat returns to its place automatically by means of a double spring system inserted inside the seat (tested at 100.000 cycles), without any maintenance and extremely silent.

· The seat, backrest and side panels are connected by a steel central bridge. In this same structure are fixed the supports of the axes of the seat. These supports incorporate a locking mechanism to prevent the axes from accidentally coming out. The sides end in a lower base of steel plate, by means of which the seat is fixed with the appropriate hidden anchorages according to the type of floor.

· These panels also have a large GPL model lectern with dimensions of 420 x 360 mm of varnished or lacquered wood that is housed on the sides of the seat and can be moved by means of an aluminium section with a sliding device. The movement is smooth, continuous and completely silent. The lectern is an anti-panic device, as when the seat is unoccupied, it is automatically stored on the side of the seat, thus preventing the passageways from blocking in the event that the aisle has to be evacuated. The return movement is also quiet thanks to an internal shock absorber.

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

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 cold-molded polyurethane foam.

· On the inside, both include metallic tube structures and steel plates, with springs. This system guarantees great comfort and avoids the appearance of deformations in the foams, even after an intensive use.

· 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.

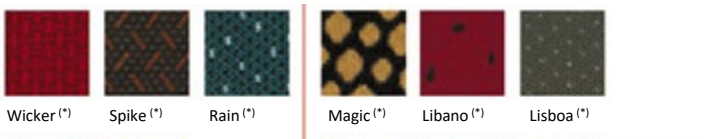
· They comply with all international fire behaviour requirements.

· Seat foam density: 60-65 kg/m³.

· Backrest foam density: 50-55Kg/m³.

› Upholstery

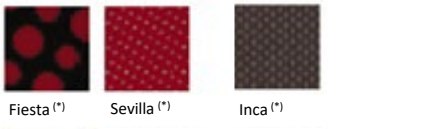
· Group A:
Figueras Fabrics ®



Wicker (*) Spike (*) Rain (*) Magic (*) Libano (*) Lisboa (*)

Kubik (*) Loop (*) America (*) Atlanta (*) Florida (*) Stone (*)

· Group B:



Fiesta (*) Sevilla (*) Inca (*)

London (*) Main Line Plus (*)

· 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

Ask our team for further available options