Microflex | 6061

Microflex 6061

Technical specifications

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

› Polyurethane foam
· Seat density: 60-65Kg/m³.
· Backrest density: 50-55Kg/m³.

› 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.

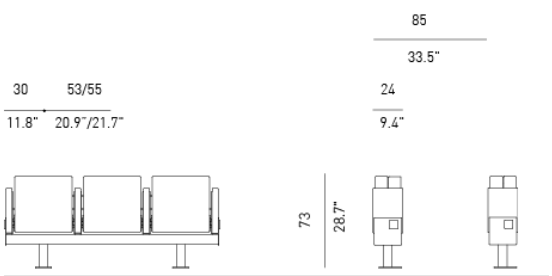
› Aluminium
· Die cast aluminium alloy
· Tensile strength (Rm)=240 Mpa
· Elongation <1%

› Leather
· Adhesion to finish according UNE-EN ISO 11644: >2.5 N/cm2
· Resistance to rubbing according UNE-EN ISO 11640: (Dry, 1.000 Cycles) >4

› Fire resistance
· 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).

General dimensions



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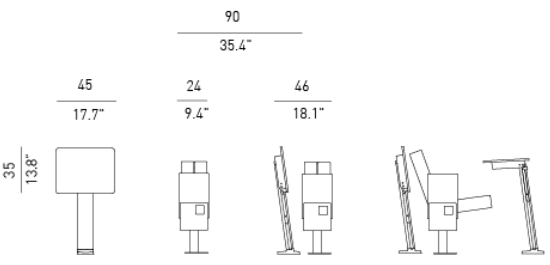


F 48

Microflex 6061 + F 48

General description

› The most compact solution for setting up rows of seats. The folded seat occupies only 24 cm, which makes the most of the space with high levels of comfort and minimalist aesthetics.

· Folding seat on bar. The movements of seat rotation and backrest inclination are synchronized in the same solidarity movement. When the seat is unoccupied both elements return to their initial position, being adapted one against the other. The width of the folded seat and backrest assembly is 24 cm. An exceptionally small size, almost half the size of a conventional folding seat.

· The folded seat has a totally compact aspect, leaving the pieces of seat and back completely aligned in all its edges.

· The automatic return of the seat is carried out by means of a double ball-and-socket joint system with springs and with Controlled Soft Rise Technology that avoids noise or annoying blows when the seat is returned to its resting position.

· Seat and backrest are supported and articulated with metal sides and upholstered finishings that act as armrests. They pivot on maintenance-free polyamide bushings.

· It provides great 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 has the same features.

· The sides supporting the seat and backrest are joined to a square tubular steel structure. The bottom of this structure joins to the foot, made of steel tube and finished in a plate. The optimum anchorage type according to the surface is used for the fixation to the floor.

· The structures are presented in modules of 2, 3 or 4 places and finished in epoxy paint of 70-80 microns. Curved rows can be formed by joining the modules in a polygonal way.

· 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 moulded polyurethane foam.

· In 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.

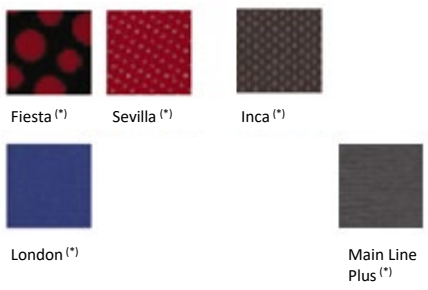
· They comply with all international fire behaviour requirements.

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

› 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

› Pigments for metal parts

Ask our team for further available options