

Opus Fold

design Jouko Järvisalo 2009



Telescopic and motorized auditorium seating

- Telescopic seating (mechanism by Kerko)
- Electrically operated (mechanism by Kerko)
- Modules opened and closed with an electrically driven chain machinery system
- Seat's wooden parts natural beech or made of other wood species by request
- Seat's steel parts epoxy coated in RAL
- Seat and back upholstered in Mobel's standard fabrics, leather or customer's own material
- Folding seat, tip-up type
- Standard c-c 550 mm
- Width of each stairway according EN 13200-5 or the local legislation
- Detachable or fold down safety rails

Seating's dimensions

Seat folded down, armrests:

height 1000 – width c-c 550 – depth 660 mm

Seat folded up, armrests:

height 780 – width c-c 550 – depth 390 mm

Total seat row width

c-c 550 mm x number of chairs

Going

The going of the floor means the depth of the stair. The standard measurement for an auditorium chair is 900 mm. Please notice the local security requirements!

Base construction

The main frame works is steel construction and welded together at the factory for ensuring a robust construction. The steel constructions are painted with two component paints, which resist wear extremely well.

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Operation

The seatings are electrically operated. Seating consist of sections, which are linked together. The whole seating is driven in a closed position by electrical motor or motors.

The driving mechanism of the seating is a reliable chain model (special chain type linkage for pushing and pulling the row elements). This mechanism ensures reliable function, because it is not depending on the friction between the rolls and the floor (no "slip and stick" phenomenon). The driving system includes electric motor, torsion bars with chains and switches. For safety the system is equipped with signal lights and sound signal, which give a warning when opening and closing the seating. There is also a safety wire in the rear, which stops the movement with limit switch when touched. The driving mechanism is fixed to the floor and located behind the seating. This system does not damage the floor, because there are no driven rolls, which could make marks on the floor surface.

The opening and closing of the telescopic system is controlled with a cabled control panel for easy operation.

The electric connection for Opus fold, power consumption and electricity work are supplied by the customer.

Seatings

The seating called **Opus Fold** comes with armrests, pressed plywood frame as well as upholstered seat and back. The seat base is a tip-up type, which folds up, when nobody is sitting on it. When closing the telescopic seating the seats are tilted manually forwards down and when opening the seatings the seats are tilted manually up in sets on the corridor.

Materials

Frame and armrest powder coated steel. Seat and backrest plywood faced beech, birch, ash or oak veneer. Armrest: wooden panel on top of the frame. Tilting seat with a counterweight mechanism.

Wood finish options

The standard finish options are natural lacquer 00, white lacquer 11, white stain opaque 13 and black stain 22.

Metal finish options

The standard finish options are RAL 9005 black epoxy, RAL 9006 white aluminium epoxy, RAL 9007 grey aluminium epoxy and RAL 9010 white.

Other wood species, materials and finishes are available on request.

Upholstery

Upholstered with fabric, leather or C.O.M.

Accessories

Seat and/or row numbering

Other accessories by request

Counterweight mechanism

The seat folds back automatically when it is not seated. The counterweight mechanism based on the gravity is silent and secure. The weight is made of steel.

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Concert halls and acoustic properties

The Opus chair suits well to the concert halls thanks to its acoustic properties. If the perforations are required, the seat pan is perforated up to the padded plywood. The standard size of the perforated hole is $d = 4$ mm, and max. 22 % of the surface can be perforated. A specialist in acoustics defines the required perforations for the Opus Fold chair.

Aisles and stairs

Aisles and stairs are wall-to-wall plastic, linoleum or textile carpet. Aisles and stairs can also be covered with parquet.

Wheels

The wheels (rolls) are attached to the frame with adjustable springs. The weight of only couple of people is enough to retract the wheels into the frame, leaving the whole weight spread across a large area of floor minimizing the surface pressure thus avoiding any damage to the floor.

Handrails

Detachable or fold down safety handrails included according the EN 13200-5 or local legislation.

Stairways

Stairways according the EN 13200-5 or local legislation.

State of readiness

The seating units (elements) are provided ready for the installation at the factory. Modular construction enables a quick installation and good quality.

Coating

Steel parts are coated with durable, environmental friendly, anti-corrosion, non-epoxy bicomponent paints.

Fire proofing

The seating framework is steel, except aisles, stairs and seats. Foams and standard fabrics are fire proof tested. The reports are available and may be delivered by Mobel.

Manufacture time

The estimated manufacture time is approx. 3 months as of a specified order. The final manufacture time is stated in the order confirmation.

Installation time

The installation time varies in each project. The final installation time is stated in the order confirmation. The transport of the seating elements from outside has to be done so that the elements can be moved on a trolley on the same level (vertical transportation between floors to be avoided). The local manpower is required for helping to unload and scaffold the Opus fold and Opus seatings. The local manpower is arranged and paid by the customer.

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Guarantee

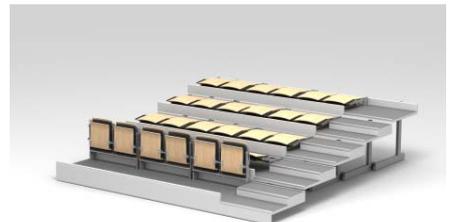
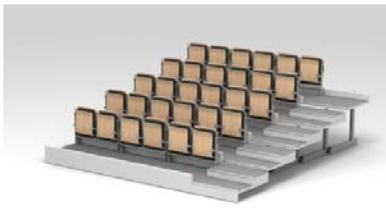
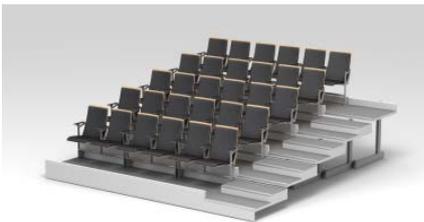
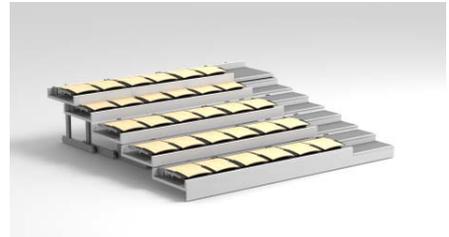
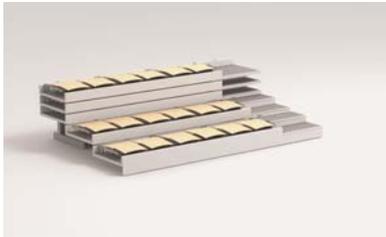
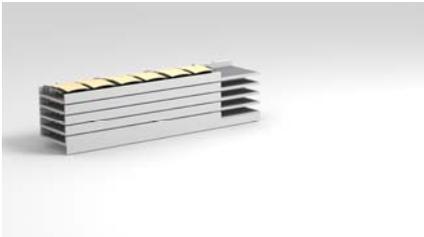
3 years from the delivery date against materials or manufacture default, upholstery materials excluded, expecting that the auditorium is operated and used according to the given instructions. Normal wear and tear are not under this warranty.

Delivery excludes

Forklift or telescopic handler for unloading and scaffolding for the assembly
Cleaning the installation place before and after the installation
Foundation of the floor of any kind
Local taxes (VAT), other duties
Local manpower
Electricity work

Training and instruction manuals

The training (in English) is arranged right after the assembly at the site.
Two instruction manuals (in English) are included in the delivery.



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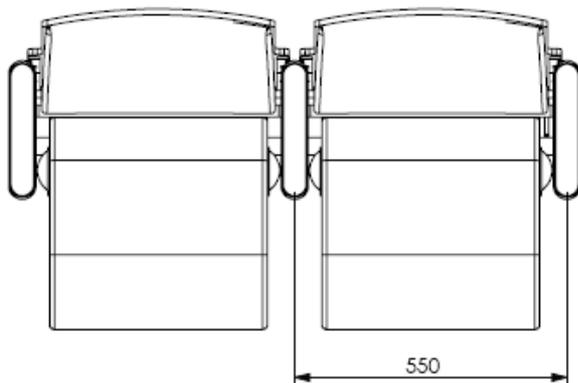
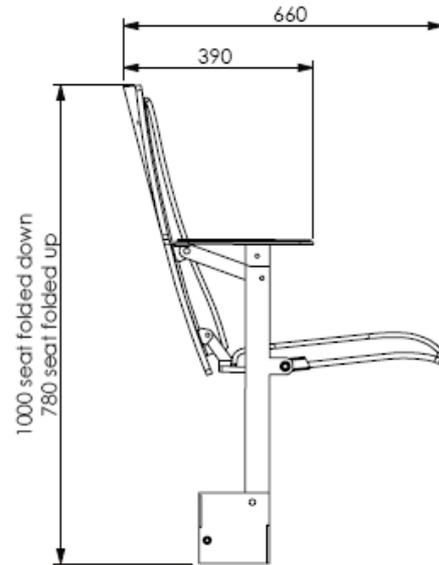
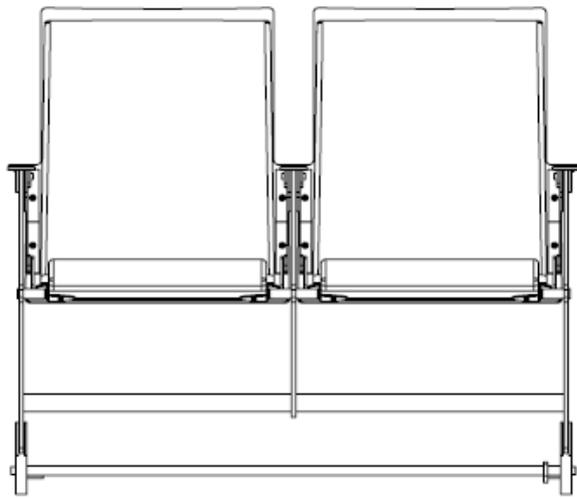
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