

Camatic Seating

FORTE SEATING

SYSTEM SPECIFICATIONS

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CAMATIC
S E A T I N G

FORTE SEATING SPECIFICATIONS

1. THE SYSTEM:

- Injection moulded seat & back outer structure.
- Custom moulded polyurethane seat & back foam upholstered.
- Spring tilt seat mechanism with concealed hinges.
- Tilt Seat mechanisms (with spring back) are safe guarded with no entrapments
- Chairs mounted to continuous beam at fully adjustable, uniform seat centres.
- All seats are independently mounted with no connection to adjoining chair.
- Beam mounting brackets totally independent of seat mount.
- Low riser, high riser & floor (tread) mounting of beam support brackets available.
- Suitable for infinite seat centre positions ideally from 510 to 560mm [20" to 22"].
- Back height 915mm [36"].
- Fold-down versions available:
 - - Standard version - 220mm [8.7"] fold-down height.
 - - Compact version - 150mm [6"] fold-down height.
- Lift up arm as standard. Lock down option available.
- Custom designed rear mount cup-holder.
- Approximate seat weight 9.7kg
- Lock down seat (non tilting seat) option available.
- Other options & accessories available.

2. ECO CONTENT

Most of the Forte chair components are manufactured with minimum 10% recycled product. The seat and back inners which represent 25% of the total chair weight are manufacture from 100% recycled plastic. In total over 30% of the chair is made from recycled content.

It is recommended that the customer choose an Eco Preferred Fabric in order for the chair to obtain a high Green Star rating.

3. CONFIGURATION / DIMENSIONS

Seat Dimensions:

Forte Standard:

Seat dimensions meet the following requirements.

Seat Centres - without arm	- 500mm	[19.7"] (Minimum)
Seat Centres - with arm	- 508mm	[20"] (Minimum)
Seat Width	- 460mm	[18.1"] (Minimum)
Overall Dimension (Seat Up, no cup)	- 390mm	[15.4"] (Maximum)
Overall Dimensions (Seat Down, no cup)	- 650 mm	[25.6"] (Maximum)
Back Height (above floor)	- 915 mm	[36"] (Minimum)
Seat Height (front edge)	- 475mm	[18.7"]

Forte Compact (Retractable fold-down):

Seat dimensions meet the following requirements.

Seat Centres - without arm	- 500mm	[19.7"] (Minimum)
Seat Centres - with arm	- 508mm	[20"] (Minimum)

Seat Width	- 460mm	[18.1"] (Minimum)
Overall Dimension (Seat Up, no cup)	- 355mm	[14"] (Maximum)
Overall Dimensions (Seat Down, no cup)	- 650 mm	[25.6"] (Maximum)
Back Height (above floor)	- 915 mm	[36"] (Minimum)
Seat Height (front edge)	- 460mm	[18.1"]

Hinge Mechanism:

Standard Seat

Hinge / pivot mechanism returns the seat to a 3/4 position automatically through a spring tilt system. The spring also allows for push back of the unoccupied seat improving practical egress as patrons move through the aisles.

Compact Seat

Hinge / pivot mechanism returns the seat to a 3/4 position automatically through a spring tilt system. The spring also allows for push back of the unoccupied seat improving practical egress as patrons move through the aisles.

3. FIXINGS

Concrete Riser Mounting:

Forte is suitable for mounting to risers with minimum riser height 165mm [6.5"] and maximum height 600 mm [23.5"]

Anchors are to be installed to Camatic specification, and meet the seat design loads. Std fixings are, 2 or 3 x M10 Mechanically galvanised studs (configuration depends on riser height), chemically set, to a minimum 65mm embedment, with mechanically galvanised nut and washer.

Concrete Tread Mounting:

Anchors are to be installed to the Camatic specification, and meet the seat design loads. Std fixings are 3 x M10 HKD Mechanically Galvanised with High Tensile Hex Bolts.

Removable Mounting Brackets (Tread Mounting Only):

Mounting brackets can be supplied to convert fixed chair design to two (2) and three (3) seat removable units. These units are fixed with two (2) x M10 anchors with hand-wheels, that require no tools to remove and remain attached to bracket when not in use.

4. FORTE ACCESSORIES – (where chosen and installed)

Arm Rests:

Arm Rest Body

Injection moulded glass reinforced polyamide arm-rests attach via a cartridge to the chair at the point provided in the side of the back moulding. The arm position is adjustable, to centre the arm between chairs from 508mm to 560mm [20" to 22"]. A fully enclosed hinge mechanism allows the arm to be lifted to provide an ADA facility at aisles & as enhanced versatility within the row. The Polyamide is graphite black in color and contains ultra violet inhibitors.

If arms are not selected, the side cavities are concealed with body colored covers.

All seating units are capable of accepting armrests on delivery or at a later date.

Arm Rest Pads

Injection moulded co-polymer polypropylene arm-pads are compounded with ultra-violet inhibitors for outdoor applications prior to the manufacturing process & attach via concealed fixings & are free of external ribbing, with smooth all round surfaces to prevent entanglement in clothing.

Options

- Arm-rest pads may be color matched to custom colors available on the seat & back outer components.
- Arm-rest pads may be upholstered to co-ordinate with the seat & back upholstery.
- Arm-rest pads may be manufactured in solid wood.

Panel Arms:

Panel arms are available at end of rows to accept row identification & team filigree. When panel arms are fitted, the arm becomes fixed.

Cup-holders:

Rear-mount Cup-holders are designed specifically for attachment to the chair; the plastic is injection moulded co-polymer polypropylene and is compounded with ultra-violet inhibitors for outdoor applications prior to the manufacturing process. Colour to match that of the seat and backrest.

Seat Numbers:

Seat Numbers snap into front edge of seat and angle upward. The seat number insert is of injection moulded co-polymer polypropylene & is compounded with ultra-violet inhibitors for outdoor applications. The insert is black with white hot stamped numbering and provides for up to 3 digits 12 mm {1/2"} in height.

Row Identification:

Row Number plate is an etched black anodized aluminum disc providing numbering for up to 2 digits 32 mm [1 1/4"] in height.

Two positions are available either on the end of the seat beam or seat side support.

5. PERFORMANCE / STANDARDS / REFERENCES

General:

The completed chair installation will provide the following minimum performance requirements.

Anchor Bolts:	All concrete fixings are non-corrosive material.
Fasteners:	All fasteners Non corrosive.
Metal Finishes:	All finishes are suitable for outdoor exposure / marine environments.
Plastic Components:	Exterior grade plastics. UV Stable
Seat Pivot:	Seat will rise without assistance. Spring systems used.
FIFA:	The Forte complies with the FIFA recommendations for stadium seating.

Manufacture:

The following manufacturing standards are adhered to:

Available on request

Durability Testing:

The Forte range of seating complies with the following:

Available on request

Plastic Ultra Violet Deterioration:

The seating components exceed the following test requirements:

Available on request

Flammability:

The Forte chair and / or materials used in its manufacture comply with the standards listed below:

Available on request

Management Systems:

Camatic Seating is accredited through DLCS for the following:

ISO 9001:2008 Quality Management Systems

6. INSTALLATION

Mounting Brackets and Beam:

Available on request

7. WARRANTY

General:

The warranty shall be in addition to and not a limitation of the other rights the Owner may have against the Contractor, installer, or Manufacturer, under the Contract Documents.

Camatic provides a warranty for the replacement of chairs found to be defective in appearance or unusable due to defects in performance, as outlined below:

Available on request