

Preferred Seating

July, 2007

Fact Sheet for the Horizon Auditorium Seat with fabric, plastic laminate or wood covered back

1. TYPE

Preferred Seating designs and manufactures the most attractive and functional auditorium seating on the market today...and at competitive pricing. Now we have it all in the seating industry: ergonomic design for comfort and state of the art styling; strength and durability warranted to out perform other seating; traditional and contemporary profiles with a variety of style and color selections.

2. SELF-LIFTING SEAT

Gravity assisted system with lifting seat hinge. The seat self lifts automatically to the $\frac{3}{4}$ - fold position, 100% if preferred, when unoccupied and rotates on two $\frac{5}{16}$ " high strength steel hinge rods. The seat is a torsion spring gravity assisted operation utilizing a 2 heavy teflon coated 8 gauge torsion spring system for quiet operation. Our outer enclosed automotive grade no break super tough nylon protective casing never wears out. The seat is available in 21" (533mm) and 22" (559mm) widths, center armrest to center armrest. Seat will pass a 800 pound static test load at edge of seat. Seat is formed to fit the contour of the body when in the sitting position. The multiple curves give the spectator long time support. The waterfall at the front of the cushion reduces pressure points. The seat bottom and seat-lifting mechanism is totally enclosed by an injection molded polypropylene plastic seat pan. The seat pan is designed to complement the contour of the back with matching colors and texture.

Options: Upholstered, wood and or plastic laminate seat inserts.

3. UPHOLSTERED, WOOD OR PLASTIC LAMINATE CHAIR BACKS.

The outer back is composed of wood, plastic laminate or fabric covered, with an upholstered front. 2 panels; a rear panel and an upholstered inner panel. The upholstered inner panel is made of a polyurethane pad 2" thick glued and stapled to the inner panel and covered with the specified fabric. The upholstered panel is made of hardwood plywood, not less than 5-ply and not less than $\frac{1}{2}$ " in thickness. The outer exposed wood back panel is not less than 7-ply, about $\frac{5}{8}$ " thick and has the same contoured radius as the upholstered panel. Other option is plastic laminate and or fabric covered back. The upholstered panel is attached to the outer back panel with hidden fasteners. A decorative bead, fabric covered solid nylon, surrounds the perimeter of the wood outer and inner back panels. All fasteners and hardware are concealed. The overall back height can range from 32" to 35". The back goes 4" below the back of seat cushion to protect the pad from any rear damage. The back is available in 21" (533mm) and 22" (559mm) widths center armrest to center armrest.

4. STANDARDS Available in steel or cast iron.

a. Steel standards shall be pedestal design. Center and end standards are fabricated of 12 gauge, meg welded tubular steel, 3" by 1" rectangular column. Standards are fixed to the floor with 2 bolts.

Armrest is securely adjoined to top of column by threaded steel dovetail bolt attachment. A formed 12 gauge, $\frac{1}{4}$ " thick, steel foot plate shall be welded to the bottom of the rectangular column.

Automotive powder coat finish that is run with the Toyota automotive line. Part shall be cleaned and pre-treated in a multi-stage high temperature system consisting of a minimum of alkaline cleaning and phosphate conversion coating. The topcoat shall consist of polyester or polyester hybrid pigmented resins baked on to a cured thickness of 2-3 mils. Color to be provided by specifier.

All end standards have a decorative end panel, fabric covered, plastic laminate, wood or cast iron.

5. ARMRESTS

The armrest shall be high impact injection molded polypropylene plastic to compliment the seat design. Optional plastic laminate and or wood armrests are available with your choice of stain or finish.

6. MATERIAL SPECIFICATIONS:

Plastic: Plastic shall be high density injection molded linear polypropylene plastic with ultra-violet light inhibitors to reduce fading and no static components.. Plastic has a burn rate of 1" per minute when tested by the Department of Transportation of Motor Vehicle Safety Standard No. 302, ASTM D635.

1. Tensile Strength: 11,500 psi on protective hinge casing and no break poly (polypropylene) aisle standard
2. Flexural Strength: no break IZOD factor of 15 on aisle standards
15,000 psi on protective hinge casing no break poly aisle standards
3. Melting Temperature: 550 degrees F on protective hinge casing and no break poly aisle standards
4. Flammability Rating: No flash point, no combustion on protective hinge casing and no break poly aisle standards

Padding: BASF chemical company tested resin-585 grams, 255 isocyanate foam meets the flammability requirements of California Bulletin #117. Molded resilient polyurethane foam padding material. Foam is flame retardant.

Metal: Steel 14 gauge and or cast iron.

7: Options:

- * Upholstered, Wood or Laminate Outer backs
- * Upholstered seat pan inserts
- * Upholstered, Laminate, or Solid Oak end panels
- * Solid wood armrests
- * Armless intermediate standards
- * Book, Card, Pencil, Cup Holders
- * Drink Cup Holders
- * Aisle Lights
- * Number / Letter plates
- * Higher backs for balcony installations