

# **ACCESSIBLE 4-STATION VOTING BOOTH** **DETAILED SPECIFICATION SHEET**

## Booth Specifications

Accessible Voting Booth with 4 voter stations – one at an accessible and three at a standard height meeting the following dimensions and standards.

## **Polling Booth General Requirements**

- All compartments are accessible on the horizontal plane to voters who use wheelchair users or voters who need to sit while marking their ballot.
- At least one writing table is at a lower level on the vertical plane.
- Writing shelves must be different color and “high contrast” from frame of booth.
- Specific Color Scheme of Red, White and Blue (as shown in photograph)
- One piece construction with no loose parts. No tools required for either assembly or dismantling.
- Telescopic leg assembly that “locks in place”. Spring button on inner leg of the telescopic leg assembly must have a no-collapse feature, for the safety of handlers and users.
- Booths must include extension visors that provide additional privacy to voters with disabilities and others.
- Booths must contain industrial standard furniture casters for ease of transport. Casters may be at top or bottom of shelving area.
- Booths delivered in 3 ply corrugated board.
- Booth requires upgraded shelf catch
- Mechanism for ensuring shelf stays up such as a magnet
- Booths must fold up for easy storage and minimal footprint.
- Folded booth must be secured with strap and buckle.
- Booth must be available with curtain kit with no height limit if specified.
- Booth must include optional extra of a set of four booth lights



## **Booth Color**

- Patriotic Red White and Blue Franklin Color Scheme – no substitutions

## **Specific Polling Booth Dimensions**

- Assembled dimensions
  - 61” to frame top

- 68”/70” to visor top (can be extended)
- 37 ½ inches to standard writing shelf
- 30 inches to seated/wheelchair/accessible shelf
- 32 inch width between outside legs
- Writing Table Dimensions
  - 20 ¾ across shelf
  - 29” across entire width of booth
- Packed Dimensions
  - 38 ½” length, 25 ¼” height, 9 ½” depth
  - Weight: Gross weight 48 lbs, net weight 42 lbs net weight

### **Framing/Exterior Components**

- All-metal framing constructed from Aluminium extruded profile to 6060 T6 with minimum wall thickness of 1.5mm with framing and metal components anodised to AA5

### **Shelf Design**

- Upgraded, reinforced shelf with additional rigidity (Improved, strengthened shelf from earlier version of product)
- Loops on shelves for ease of pulling shelf catch

### **Plastic/Shelf Components**

- Twin wall Polycarbonate using UV stabilized Polycarbonate resin warranted for a period of 10 years against weather resistance and discolouring. Class 1 fire rating and thermal insulation properties with a K value of 3.1 w/m<sup>2</sup>/°C for 10mm sheet.
- Plastic injection mouldings manufactured to ISO 9001:2000

### **Fittings Components**

- Buckles, fasteners, buttons, guide bushes, anti-rotational devices and other accessories on booth must be made from Nylon or Acetal.
  - Acetal is a crystalline thermoplastic polymer material. Acetal characteristically has excellent tensile strength, stiffness, surface hardness and chemical resistance. Acetal has excellent flexural memory and property retention when subjected to repeated loading. The normal short-term use temperature range is -40°F to +270°F (-40°C to +132°C). Physical properties remain consistent across a wide range of temperature, relative humidity, and weather conditions.
  - Delrin 500T is a toughened Acetal. This material possesses all of the positive attributes of standard Acetal combined with superior resistance to impact loads. Designed to withstand the toughest of environments and excessive treatment.
  - Nylon 6/6 is a thermoplastic polyamide resin. This material maintains good tensile strength, chemical resistance, stiffness and flexural memory. Nylon is excellent in high temperature applications. The normal short-term use temperature range is - 40°F to +390°F (-40°C to +199°C). Nylon is however, a hygroscopic resin, therefore, physical properties will vary as the relative humidity changes. When dry, tensile strength is higher and

impact is lower. When wet, tensile strength is lower and impact strength is higher. Elastomeric Resin is a thermoplastic material. It is a flexible plastic that bridges the gap between rubbery elastomers and rigid plastics. In general, it exhibits good low temperature flexibility, good toughness, chemical resistance and excellent abrasion resistance. Normal short-term use temperature range is 0°F to +293°F (-18°C to +145°C). Material properties will change drastically outside of this range. This temperature range is material-based and individual parts may perform differently.

- Flame Retardant Grilon BS V0 is a, self extinguishing PA6 injection molding material that is Halogen and Phosphorous free.

Polypropylene Webbing is manufactured from 1/1100 Dtex Polypropylene material which is UV stable yarn to minimize fading this gives great strength, wear resistance and durability.

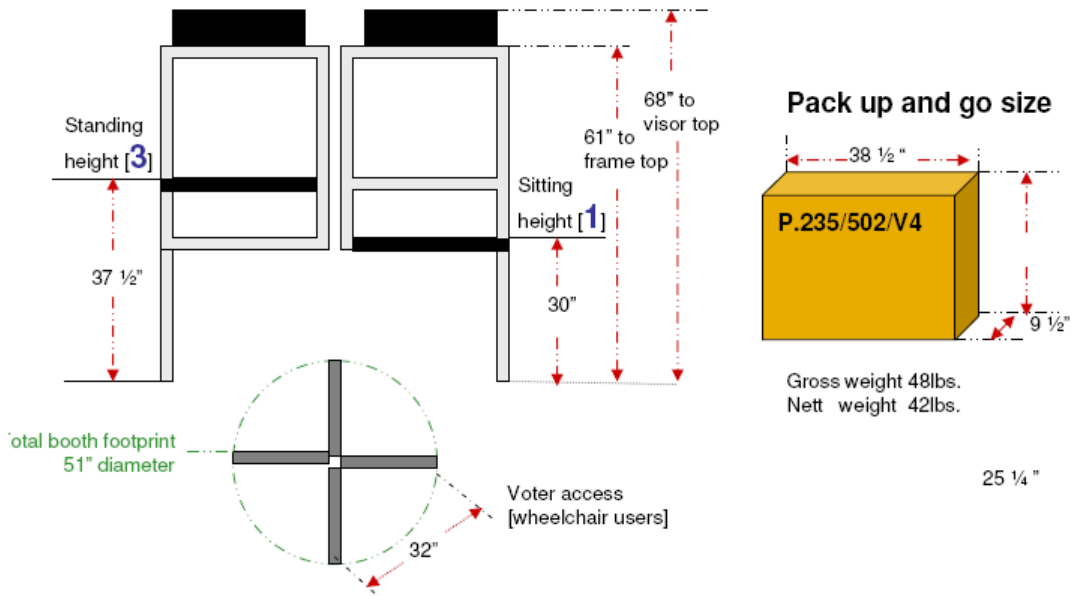
- Must include Superstrong Side Release Retaining Buckle with all plastic side release. Must accommodate 40mm webbing and features a Red Buttoned single finger release and high load resistance.

#### **Environmental Footprint of Booth:**

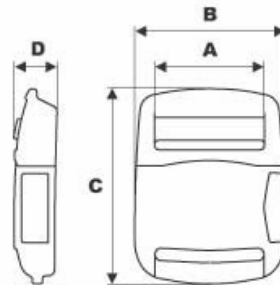
Booth must meet limits of Greenhouse gas emissions of 8.0 tCO<sub>2</sub>-eq/tAL, Acidification potential 38.8 kg SO<sub>2</sub> -eq/tAL, Eutrophication potential 1.75kg PO<sub>4</sub>-eq/tAL based upon all upstream activities including raw material extraction, transport, fuel production and use and electricity production, as well as process specific emissions.

## Appendix: Dimensional Drawings

### Appendix 1: Booth Dimensions



### Appendix 2: Buckle Dimensions



### Appendix 3: Shelf Dimensions

