

Double Deck Stand Regulations

Sustainability

We urge exhibitors to think more sustainable when designing their stands, Move away from one-time use materials that are not widely recyclable and move towards highly reusable materials

Unsustainable materials:

- Chipboard and MDF
- Polystyrene
- Foamcore/Foamex
- Vinyls
- Polyester fabrics (coated in fire retardant chemicals)

Highly reusable materials:

- Aluminium frames / Steel structures
- Wooden panels (Certified FSC or PEFC)
- Carpet tiles (install without glues)
- Floor platforms
- LED displays and screens
- Rental furniture
- Cardboard/paper-based signage with water-based inks

Balustrades/Barriers

Balustrades or barriers must be provided to protect exposed edges of staircases, landings, balconies, galleries and other changes of level. They shall:

- Provide guarding to all exposed edges (balustrades), stairs and ramps. The balustrade should 1,200mm high minimum.
- Be non-climbable, i.e., with solid infills or vertical guard rails a maximum of 100mm apart and without horizontal members between verticals.
- A toe-board or solid infill must be installed at the floor level of the storey to a height of 150mm. This is to prevent any objects from falling or being kicked from the edge of the platform floor.
- Where the balustrade or barrier to the upper deck is formed from full height glazing a horizontal bar (a "bump bar") must be installed to prevent people leaning on the glass. This must be at a height of 1.2m from the floor of the upper deck and be able to withstand a suitable load.

Handrails

- A continuous handrail must be provided where there are stairs with three or more risers.
- Every flight of stairs must be provided with a handrail on each side. The handrail should be non-climbable and have a solid infill.
- Double width staircases MUST have a central handrail.
- **The height of a handrail shall be measured vertically from the centre of the steps and landings to its upper surface and shall be a minimum of 900mm and a maximum of 1 meter. The balustrade should be 1.2 m high minimum.**
- Handrails shall be continued as necessary around landings.
- Handrails shall not project more than 100mm on to the required width of the staircase.
- Additional handrails dividing a flight into channels shall not be less than 1m wide and not more than 1.8m wide where the overall width is more than 1.8m.
- Handrails must extend horizontally beyond the top and bottom of a ramped access, or the top and bottom nosing of a flight or flights of steps, while not projecting into an access route. The ends must be designed to avoid injury to persons ascending and descending the staircase and must terminate in a way that reduces the risk of clothing being caught.

Staircases

- Spiral staircases are not permitted.
- Double width staircases shall have a central handrail.
- Stairs shall be arranged in a straight flight without winders (e.g. tapered treads in an otherwise straight flight)
- Each step forming the staircase must be of uniform dimensions, having a regular rise and tread. The riser and going of each step must be consistent throughout a flight.
- Staircases shall consist of a maximum of 16 risers.
- Stairs with more than 36 risers in consecutive flights shall have at least one change of direction.
- Staircases must be a minimum of 1.2 meter in width (minimum width between handrails has to be 1 meter).

- Where a staircase is divided into more than one channel, no single channel shall be less than 1 metre wide and an additional handrail must be provided between channels.
- Risers should not be open or should be such that a 100mm sphere cannot pass through any openings.
- The floor area of landings, treads, steps and stairs shall have an even, non-slippery surface
- Staircases and landings should have a clear headroom of not less than 2m measured vertically from the nosing of the treads or the floor of landings

Staircases & Stepped Access

- A level landing must be provided at the top and bottom of each flight.
- Landings should have a minimum, unobstructed length of 1.2m.
- Flights shall have a minimum, unobstructed width of 1.1m.
- Doors should not swing across landings.
- The rise of each step should be between 150mm and 170mm.
- The tread of each step should be between 280mm and 425mm.
- All nosings (the edge of each step) should be made clear. For example, with a different colour or material.

Where the means of access to trailers, boats, caravans and other, similar exhibits is manufactured as an integral part of the product, it may not comply with the above regulations. In such a case an appropriate risk assessment and technical drawings are required.

Travel Distance

The travel distance from any part of a double decker stand to a staircase must be no greater than 12 meters. If your upper deck can accommodate more than 40 people (based on 1 person per 4 sqm capacity calculation) two staircases, sited remotely from each other must be provided.