



BALUSTRADE DESIGN GUIDE

FOR LEISURE

LOADINGS

1. Do you have a balustrade loading confirmed for each area?

Loading requirements can vary depending on the occupancy and use of the area/or stair.

Spectator seating areas are covered by the Green Guide for Safety at Sports Grounds, which provides specific guidance about balustrade loadings in front and adjacent to seating areas and gangways.

2. Is the substrate able to withstand the loading requirement?

It is important that the structure/substrate is designed and suitable to take the balustrade loading.

FIXINGS

3. Is top fixing or side fixing required for the balustrades?

Identifying fixings at an early stage is important as it will lead to considerations for access, sequencing, screed pockets, distance between stair flights and temporary edge protection.

4. Are the requirements and specifications for glass clearly stated?

Bolt through fixing is critical to comply with BS6180 to stop glass slippage. From experience, leisure environments may require toughened laminated and/or heat-soak tested glass. (Specialist advice is recommended.)

5. Are there any balustrades that will require specialist access?

Side fixed void balustrades often require installation from the void, therefore glass distribution and access equipment may need to be considered.

Engage Early | Understand Costs | Reduce Defects

USAGE

6. Are there requirements for balustrades in a swimming pool environment?

If so, ensure 316 grade stainless steel is specified and the surface of the balustrade to be a bright finish.

Standard brushed finishes can retain moisture and are at risk of tea staining (can lead to rusting) and corrosion.

7. How will the balustrades be fixed in a swimming pool environment?

Fixing specifications are critical in a pool environment. The use of core drilling pockets instead of exposed fixing plates can be an effective solution.

Sequencing of works, especially where finishes are tiled, must be considered.

8. Do earthing connections need to be considered?

Specifically in a swimming pool environment, it is important to identify if there is an earthing connection you need to consider to the balustrade. (Specialist advice recommended)

9. Are there any requirements for external balustrades and handrails?

Adequate finish and fixing is important to ensure product life expectancy and compliance. Requirements for core drilling pockets can often be needed.

REGULATIONS

10. How will you ensure full compliance with regulations and standards?

Leisure facilities can benefit from the assurance of Kitemark balustrades and the CE Mark accreditations. Choosing a Kitemark supplier will ensure you're receiving a compliant product.

Want to know more? Contact a Technical Consultant today and we'd be happy to help.
Email enquiries@deltabalustrades.com
Call us on **01270 753 383**

Red text = Critical Information