



Delta Balustrades

BALUSTRADE DESIGN GUIDE

LOADINGS

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

In school environments loading requirements can vary depending on the occupancy and use of the area/or stair. Refer to Building Control and BS6180.

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, school areas may require toughened laminated and/or heat-soaked 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.

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**

www.deltabalustrades.com

FOR EDUCATION

Engage Early | Understand Costs | Reduce Defects

USAGE

6. Is there a requirement for a lower handrail on the stairs?

Primary schools may require a handrail at 600mm on stairways. At 600mm the handrail will have to be fixed offset which may alter the stair width.

7. Are balustrade heights as standard requirements?

Some school buildings have requirements for higher balustrades. If furniture is close by, extra height should be considered due to the possibility of a child standing on the furniture to reach the balustrade handrail.

8. Are there 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

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

Recently schools have been benefiting from the assurance of Kitemarked balustrades and the CE mark accreditations. Choosing Kitemarked suppliers will ensure you're receiving a compliant product.

10. Within the stairs, are there full height windows or curtain walling?

This may create a gap between the stair and window glazing, therefore balustrades may be required in these areas.

Red text = Critical Information