



THE OUTDOOR LOOK

Technical & Compliance Sheet Post & Rail Balustrade System

System Overview

The Post Handrail System is a stainless steel and glass balustrade solution designed for decking, balconies, patios, and stair runs. It uses saddle brackets mounted on posts to support a continuous stainless steel tube handrail, ensuring a safe and compliant installation in line with UK Building Regulations.

Technical Specifications Posts & Handrail Support

- Post Height: 978 mm (satin 316 or black 304 stainless steel)
- Post Finish: Satin brushed (316 Grade stainless) or Satin black coated (304 Grade stainless)
- Tube Diameter: 42.4 mm
- Tube Lengths: 1 m, 1.5 m, 3 m, 5.8 m

Glass Panels

- Height: 900 mm
- Material: Toughened safety glass
- Compliance: EN 12150

Fittings

- Handrail Saddle Brackets (flat run and adjustable spigot for stairs)
- In-line Tube Connectors
- 90° Flush Angle Scroll End
- Adjustable Elbows
- Wall-Mounted Flanges
- Brackets with 90° End Elbow

Compliance with UK Standards

- Building Regulations Document K – Protection from falling, collision, and impact
- BS 6180:2011 – Barriers in and about buildings: Code of practice
- Part M – Access to and use of buildings (handrail accessibility and grip)
- Glass Standard – EN 12150 (toughened safety glass)



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System Heights

- Standard Deck / Balcony Height: 1100 mm to top of handrail
- Stairs: 900–1000 mm measured from stair nosing

Load Resistance

- Domestic Decks / Balconies (≤ 600 mm height): 0.36 kN/m
- Residential Balconies & Decks (> 600 mm height): 0.74 kN/m
- System tested and suitable when installed according to manufacturer's guidelines.

Maintenance Recommendations

- Clean stainless steel with mild detergent and warm water.
- Satin (316) requires minimal care; Black (304) requires regular cleaning to preserve coating.
- Inspect saddles, tube connections, and fixings twice per year.
- Replace damaged glass immediately with toughened glass of the same specification.