

NEOTIMBER ALUMINIUM BALUSTRADES

Enhance the safety and style of your outdoor space with the NeoTimber Aluminium Balustrade System. Engineered for both homes and commercial settings, this durable system features four contemporary railing styles — Glass, Decorative Screen, Spindle, and Wire — all supported by sleek, matte-black aluminium posts. With modular components for easy installation and full compliance with BS 6180:2011 standards, it delivers the perfect balance of strength, versatility, and modern design for patios, balconies, decking, and gardens.



WHY CHOOSE NEOTIMBER ALUMINIUM BALUSTRADES?

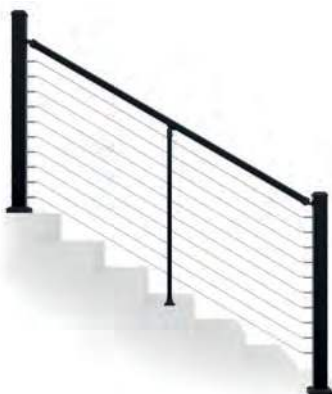


FOUR STUNNING STYLE OPTIONS

Choose from four stylish options: Glass for clear views, Decorative Screen for bold patterns, Spindle for classic charm, and Wire for a sleek, modern look. Each design pairs seamlessly with our durable aluminium posts, offering a versatile, contemporary finish for any outdoor space.

LONG-LASTING SAFETY, LOOKS, AND PROTECTION

The NeoTimber Aluminium Balustrade System is built to endure. Its robust aluminium component construction, sleek matte finish, and compliant design ensure years of reliable performance. Whether for homes or commercial spaces, it delivers modern aesthetics with peace of mind. Supplied with a 25-year Residential/10-year Commercial Warranty.



MODULAR DESIGN FOR ULTIMATE FLEXIBILITY

NeoTimber's system features interchangeable posts and railings, including Glass, Decorative Screen, Spindle, and Wire options. The Spindle and Wire styles are also available in stair variants, making it easy to customise your layout for any outdoor deck, balcony, or space with style and precision.

TECHNICAL SPECIFICATIONS

LOW MAINTENANCE



SAFETY



DURABILITY



LOAD TEST RESULTS

BS 6180:2011 – (i)

Domestic & Residential Activities: All areas within or serving exclusively one single family dwellings including stairs, landings etc. but excluding external balconies and edges of roofs.

Horizontal uniformly distributed line load: No Failure @ 0.36kN/m
Uniformly distributed load applied to the infill: No Failure @ 0.5kN/m
A point load applied to part of the infill: No Failure @ 0.25kN

BS 6180:2011 – (ii)

Domestic & Residential Activities: Other residential, i.e. houses of multiple occupancy and balconies, including Juliette balconies and edges of roofs in single family dwellings.

Horizontal uniformly distributed line load: No Failure @ 0.74kN/m
Uniformly distributed load applied to the infill: No Failure @ 1.0kN/m²
A point load applied to part of the infill: No Failure @ 0.5kN

BS 6180:2011 – (iii)

Offices and work areas not included elsewhere, including storage areas: Light access stairs and gangways not more than 600 mm wide.

Horizontal uniformly distributed line load: No Failure @ 0.22kN/m

BS 6180:2011 – (iv)

Offices and work areas not included elsewhere, including storage areas: Light pedestrian traffic routes in industrial and storage buildings except designated escape routes.

Horizontal uniformly distributed line load: No Failure @ 0.36kN/m
Uniformly distributed load applied to the infill: No Failure @ 0.5kN/m
A point load applied to part of the infill: No Failure @ 0.25kN

BS 6180:2011 – (v)

Offices and work areas not included elsewhere, including storage areas: Areas not susceptible to overcrowding in office and institutional buildings, also industrial and storage buildings except as given above.

Horizontal uniformly distributed line load: No Failure @ 0.74kN/m
Uniformly distributed load applied to the infill: No Failure @ 1.0kN/m²
A point load applied to part of the infill: No Failure @ 0.5kN

BS 6180:2011 – (viii)

Areas without obstacles for moving people and not susceptible to overcrowding: Stairs, landings, corridors, ramps.

Horizontal uniformly distributed line load: No Failure @ 0.74kN/m
Uniformly distributed load applied to the infill: No Failure @ 1.0kN/m²
A point load applied to part of the infill: No Failure @ 0.5kN

BS 6180:2011 – (viii)

Areas without obstacles for moving people and not susceptible to overcrowding: External balconies including Juliette balconies and edges of roofs. Footways and pavements within building curtilage adjacent to basement/sunken areas.

Horizontal uniformly distributed line load: No Failure @ 0.74kN/m
Uniformly distributed load applied to the infill: No Failure @ 1.0kN/m²
A point load applied to part of the infill: No Failure @ 0.5kN

Note: Results based on the correct installation of the full NeoTimber® Aluminium Balustrade System including railing and posts.

PERFORMANCE DATA

Reaction to Fire (EN 13501-1:2018): A1

CE To EN 13241:2003+A2:2016 (Commercial Railings): Pass

CE To EN 1090-1:2009+A1:2011 (Aluminium Structures): Pass

CE To EN 12604:2017+A1:2020 (Barrier Mechanics): Pass

Need help?

Call us on 01530 382 180

or email enquiries@neotimber.com

DESIGN & BUILD YOUR BALUSTRADE SOLUTION

NeoTimber's flexible system gives you the ability to configure system components based on your specific design. Rail sets and individual posts can be purchased as individual parts in order to reduce wastage and cater for whatever your design requires.



Aluminum Balustrade Post

Dimensions:

Post: 1150mm x 80mm x 80mm
(2mm thickness)

Base Plate: 125mm x 125mm
(6mm thickness)

Each Set Includes:

1 x Post, 1 x Cap, 1 x Base Plate, 1 x
Base Plate Cover, and all fixings.



**Wire Balustrade Railing
(Stair or Straight options)**

Dimensions:

1910mm wide x 1105mm high

Each Set Includes:

Aluminium handrail, aluminium
central spindle, 10 steel
cable runs, and all fixings.



**Spindle Balustrade Railing
(Stair or Straight options)**

Dimensions:

1910mm wide x 1105mm high

Each Set Includes:

Aluminium handrail, aluminium
bottom rail, 16 aluminium spindles,
and all fixings.



**Screen Balustrade Railing
(Straight installation)**

Dimensions:

1910mm wide x 1105mm high

Each Set Includes:

Aluminium handrail, aluminium
bottom rail, laser cut aluminium
screen, and all fixings.



**Glass Balustrade Railing
(Straight installation)**

Dimensions:

1910mm wide x 1105mm high

Each Set Includes:

Aluminium handrail and bottom rail
with rubber gaskets, 12mm tempered
safety glass sheet, and all fixings.



**Balustrade Post Concrete
Screws**

Dimensions:

M8 x 80mm

Each Set Includes:

4 screws

Need help?
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