



# B50

## Vertical Bar Balustrade System



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# Classic design refined for **modern construction**

**B50** is a **modular, aluminium flat bar** balustrade. The **non-combustible** materials are perfect for **residential** and **commercial** developments.

## **Designed & Manufactured in GB.**

B50 is specifically designed to reduce interaction with surrounding trades. It's available with short lead times to ensure rapid, hassle-free installation and guaranteed timeline assurance.

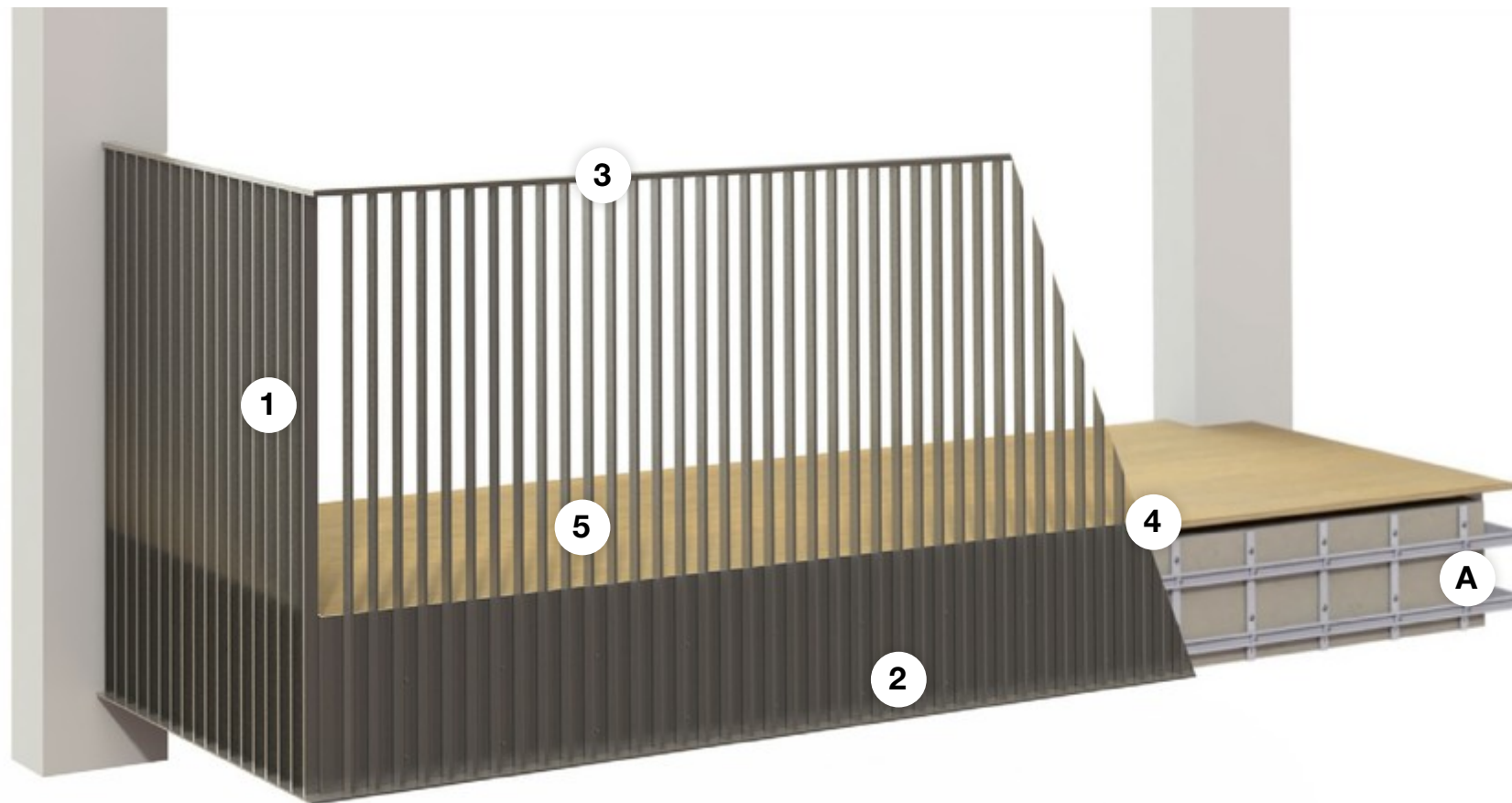
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**MADE IN  
BRITAIN**

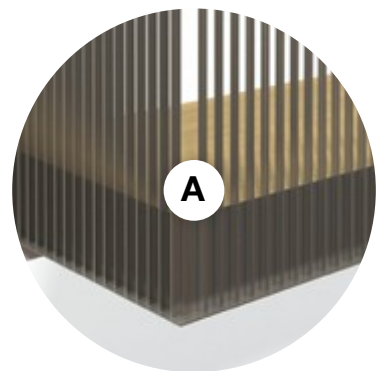
B A S Y S T E M S

# B50 system

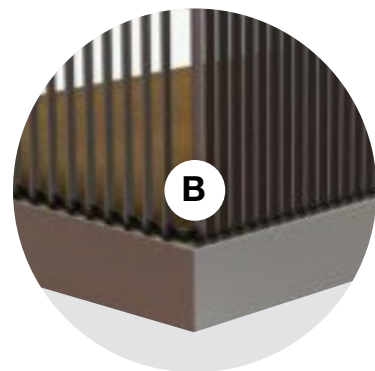


## B50 Mounting Options

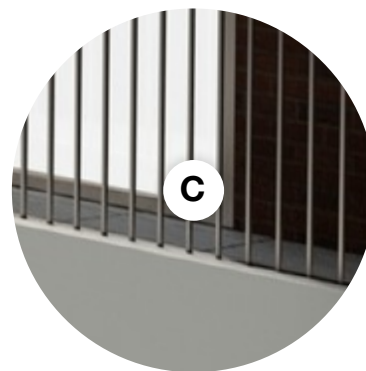
There are x3 main fixing options to suit a range of B50 balcony applications:



**Fascia**  
Side Mount



**Post**  
Surface Mount



**Channel**  
Surface Mount

## B50 HIGHLIGHTS

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- 1** **Weld free** aluminium extruded parts are mechanically assembled with concealed fixings.
  - 2** **Non-combustible**, aluminium materials and powder coatings specified can be provided with relevant A2 classification certification.
  - 3** **Strength tested** to meet a 0.74kN/m loading; suitable for all residential balconies and terraces.
  - 4** **Easy waterproofing** via the B50 systems flat and continuous rear profile edge.
  - 5** **Powdercoated** to suit your scheme or, anodized for a contemporary finish.
- A** **Mounting** › *Fascia Side Mount*  
Each vertical bar is mechanically fixed to a fascia plate; providing a complete edge solution.
- B** **Mounting** › *Post Surface Mount*  
Surface fixed to a concrete or steel substrate. Pre-assembled flat bar panels are fixed to a structural post or mounted into a base channel.
- C** **Mounting** › *Channel Surface Mount*  
Allowing for a continuous detail for waterproof integration, bars are surface fixed into the channel.



# B50 design features



## Privacy

With aluminium vertical flat bars that enhance privacy without blocking out light, the modular B50 balustrade system provides an innovative and weld-free solution for balconies and terraces.



## Robust finishes

Over a long period of time the aluminium powder coated finish is less susceptible to corrosion than traditional steel-based materials.



## Sustainability

Lightweight and modular materials allow for more sustainable transportation planning. Materials purchased are 100% recycled, all manufacturing waste material is also recycled.

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# B50 installation benefits

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## Lightweight strength

Structurally engineered for durability and strength which offers a lightweight alternative to traditional solid welded steel. Sometimes in excess of 50% lighter than steel systems.

This reduces imposed loads on balcony structures which can allow for savings in the size and structure of the concrete.



## Compliance

Balustrade system has full **Part B compliance** and is **A2-s1,d0 rated**. Meets full structural loadings in all residential balcony requirements.

With the product being lightweight it means we can meet CDM requirements with manual handling.



## Quicker handling

Very fast installation means that scaffolds can be kept clear for as long as possible prior to the balustrade being installed just before the scaffold drop happens. This means the balustrade is far less likely to be damaged, however it is in place for edge protection.

We are not tower crane dependant for installation and horizontal distribution - so decreasing hook time and potentially crane hire time.



## Flexible

B50 is manufactured off-site and then delivered in modules which can incorporate a balcony fascia plate within the panel.

Modularised approach allows for quick distribution and efficient installation planning.



# B50 projects

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Type **Residential**  
Contractor **John Sisk & Son**  
Location **Depford London**  
Value **£660k**

Type **Residential**  
Contractor **Inland Homes**  
Location **Wembley**  
Value **£560k**

Type **Residential**  
Contractor **Vistry Partnerships**  
Location **Royal Docks London**  
Value **£1.3m**

Type **Residential**  
Contractor **Bougues UK**  
Location **Paddington London**  
Value **£470k**





# B50 feedback



“ When you see the balconies installed now, it looks very good. I would **definitely use this product again.** ”

Sebastian Czajka | Project Director

▶ SYSTEM REVIEW





# Get in touch

For product information,  
or to discuss your project,  
please **get in touch** today:

**call** +44 (0)1603 722 330

**email** [info@basystems.co.uk](mailto:info@basystems.co.uk)



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# Our products



The *hygienic-metal* standard

[basystems.co.uk/vetobac](https://basystems.co.uk/vetobac)



**B10**

## HANDRAILS

Wall mounted handrails, designed to coordinate with our balustrade systems.



**B20**

## POST & INFILL

Highly versatile stair and balcony handrail system, with many finishes & infill options.



**B30**

## FRAME & INFILL PANEL

Innovative framed balcony and interfacing system, with concealed fixing.



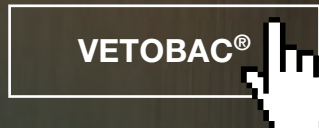
**B40**

## FRAMELESS GLASS

Enjoy uninterrupted views with this minimalist, all glass solution.



HYGIENIC  
metal surfaces



## VBA99

Antimicrobial metal kills 99.9% of bacteria and viruses on frequently used building touch-points.