

# B30 Frame and Infill Panel

Innovative framed balcony and  
interfacing system with concealed fixing



“B30 Frame and Infill Panel provides a cost effective balustrade solution with the minimalist look of structural glass or aesthetically pleasing powder coated vertical railing”



## Frame and Infill Panel

- Provides complete edge protection to a balcony – reduces the number of trades needed
- Cost-effective solution with the look of a structural glass system
- Lighter materials result in less weight on the balcony
- Colour of balustrade elements to coordinate with the building design
- Good integration with other trades – including waterproofing (see technical details) due to versatile base fixing rail
- Quick to install – improves lead times and coordination with other trades

## B30 FRAME AND GLASS INFILL

Frameless glass appearance with the cost of post and infill system.



Design



Manufacture



Install

B30 Frame and Glass Infill offers a structural glass effect for the cost of a posts and glass balustrade. Used on balconies and terraces, it incorporates a continuous base and profiled handrail to clamp the glass on top and bottom edges. There are no glass clamps to obstruct the clean lines of the slim posts and rails.



## B30 VERTICAL BAR INFILL

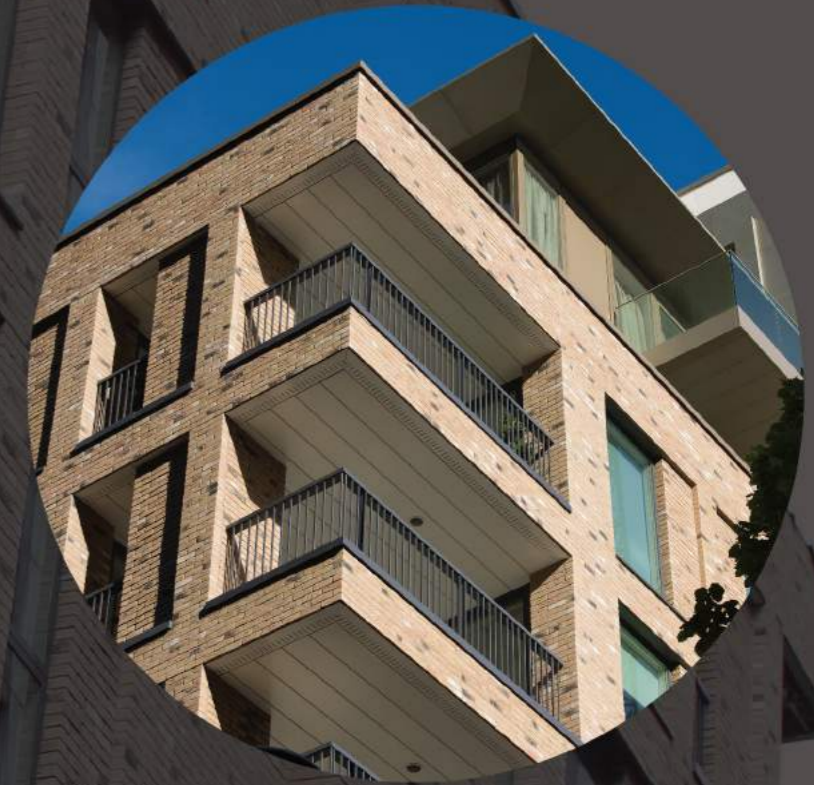
Aesthetically pleasing powder coated vertical railing.



Design



Manufacture



Install

The B30 System can be used with a number of infill options, including powder coated vertical bars. The result is a cost effective vertical bar balustrade that is engineered to coordinate with interfacing trades, such as the waterproofing or facades. Used on balconies and terraces, it incorporates a continuous base and profiled handrail to secure the vertical bars.



## Technical Features of the B30 Balustrading System.



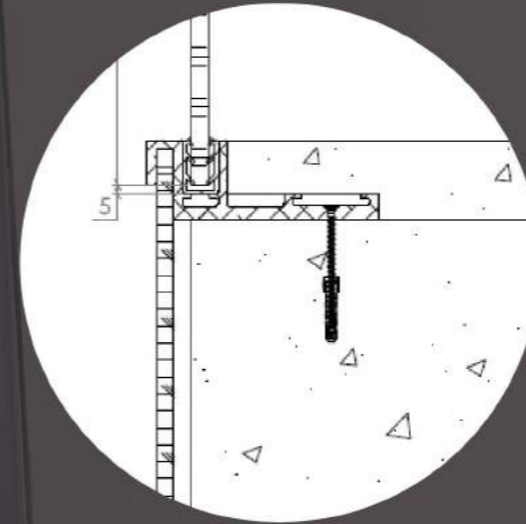
Waterproofing

B30 base extrusions are designed to integrate with waterproofing systems and assist / compliment a water proofing strategy.



Protection

B30 can be fitted early on in the project then carefully wrapped and protected from damage during construction. This can then form the temporary edge protection while other floor and internal works progress.



Cladding / Facia Integration

B30 Base extrusions are designed to integrate with cladding and facias.



Rapid Install

On a recent project in Canning Town, BA Systems have fully installed 400m of the B30 System in 4 weeks. Due to the modular design of B30, installation is very rapid.

## Technical Features – Finishes of the B30 Balustrading System



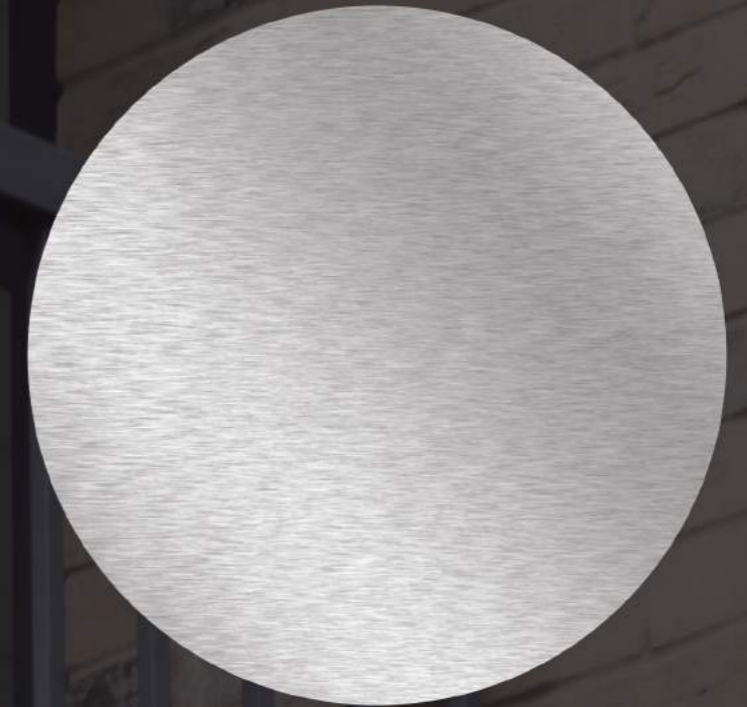
Powder Coated

Polyester Powder Coating achieves a resilient finish, with a huge range of colour options. Visually, it's equally well suited to toning in with existing designs.



Woodgrain

Woodgrain retains timeless beauty of hardwood, but is impervious to splitting or decay, giving maintenance-free benefits of polyester powder coating. This is achieved resulting in a durable textured surface.



Anodised

Enhances the natural qualities of aluminium still further, providing a strong contemporary finish with incomparable corrosion and abrasion resistance.

**NAME** - The Gatefold Building  
**SECTOR** - Residential  
**LOCATION** - Hayes  
**ARCHITECT** - Frank Reynolds  
**CONTRACTOR** - Willmott Partnership Homes Ltd  
**CONTRACT VALUE** - £25M  
**BALUSTRADE VALUE** - £606K

The Gatefold Building project (named after the old vinyl record sleeves which were manufactured on this site) has created 132 rented apartments, office space, a cafe and community amenities. BA Systems worked with Willmott Dixon to install the B30 Frame and Infill balustrade system.

Working closely with the architects and the Willmott Dixon design team, the balustrade fixing details were developed, simplified and agreed at an early stage to ensure that flow would not be hindered during the installation phase. BA Systems provided the solution to over 1500m of balustrade required on the walkways, terraces and balconies. The B30 product fulfilled the design requirements, as well as guaranteeing maximum project flow.





**NAME** - Paddington Exchange - North Wharf Gardens  
**SECTOR** - Residential  
**LOCATION** - Paddington  
**ARCHITECT** - Assael Architecture  
**CONTRACTOR** - Bouygues UK Ltd  
**CONTRACT VALUE** - £55M  
**BALUSTRADE VALUE** - £467K

Paddington Exchange is a striking residential development by Taylor Wimpey Central London. It is a collection of 123 high specification apartments, arranged over fourteen floors. Light-coloured brickwork and an extensive use of glass throughout the development maximise the light and spacious environment to the balconies and terraces.

BA Systems was engaged by Bouygues UK to provide a balustrade solution to the balconies and terraces. A prime feature of this project is the 350m of B30 Frame and Vertical Bar balustrade. The BA Systems design team worked closely with the contractor and architects to integrate the system into the facade construction. This met the structural loading requirements whilst retaining a minimalist fixing detail.



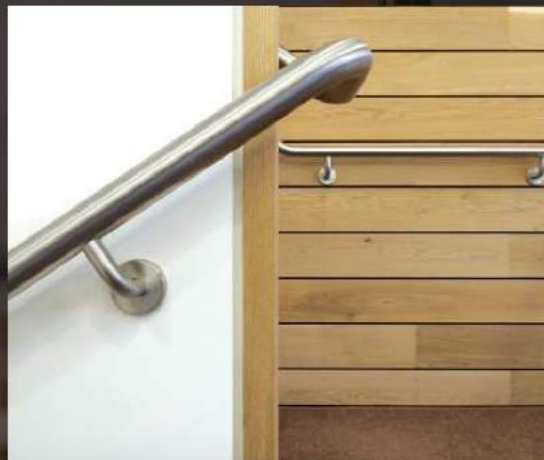
## Balustrade Systems for the construction industry.

Over the past 20 years, BA Systems has redefined the design, manufacture, installation of glass balustrade systems. By streamlining our products and project processes, we have been able to significantly improve our service. We can consistently offer short lead-times to meet changes in programme, along with rapid, hassle-free installation.

Our balustrades are categorised into 5 systems. Each system has a range of options to suit your project.

**B10**

**WALL-MOUNTED HANDRAIL**



Complementary handrails, designed to coordinate with our balustrade systems.

[VIEW B10 ONLINE](#)

**B20**

**POST & INFILL**



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

[VIEW B20 ONLINE](#)

**B30**

**FRAME & INFILL PANEL**



Innovative framed balcony and interfacing system, with concealed fixing.

[VIEW B30 ONLINE](#)

**B40**

**FRAMELESS GLASS**



Enjoy uninterrupted views with this minimalist, all-glass solution.

[VIEW B40 ONLINE](#)

**B50**

**VERTICAL BAR**



The classic flat bar balustrade refined for modern construction methods.

[VIEW B50 ONLINE](#)

## WHY CHOOSE BA SYSTEMS

Getting the design right as early as possible in a project ensures success for all parties involved.

### Step one

#### INITIAL DESIGN REVIEW

At the initial pre-order stage, a detailed design review is completed to ensure all parties understand and agree on the overall concept – this ensures our proposals meet all requirements.

### Step two

#### DESIGN DEVELOPMENT

We collaborate with all parties involved in a project, to develop the design and successfully meet all requirements. Our CAD facilities enable us to offer 3D visuals to ensure clarity - this process facilitates the approval process and saves valuable project time.

### Step three

#### SURVEY & MANUFACTURE DRAWING

When the site is fully ready, we survey all relevant areas and provide detailed manufacture & installation set out drawings. These are based on the site's dimensions and all previously agreed elements. A final copy of these are submitted to our clients for their records.

“We’re ready,  
when you are ready for us!”

Construction programmes are constantly changing. To ensure we fully meet our clients' needs, we have spent the last 12 months further streamlining all of our processes - from initial site survey and design & drawing, through to our manufacturing and site installation procedures.

This means we have improved our service level and at the same time, more than halved our average lead-time from 12 weeks to less than 6 weeks.

What difference does this make to you?

1. We are more **flexible** - we can accommodate changes in programme, “We’re ready, when you are ready for us”
2. We are **reliable** - we consistently meet our client's final agreed installation dates.
3. We carry out **rapid** installation - the installation of our products is completed in remarkably short time on site.
4. We aim to achieve **no hassle** - With BA's management pro-actively working closely with our clients project management team, we do all we can to assist them with smooth & snag free completions.



## GET IN TOUCH

We have successfully achieved accreditation from, and are fully compliant with the following regulatory bodies:



Contractors Health and Safety Assessment Scheme (CHAS)



**BUILDER'S PROFILE**

Collaboration and sharing of PQQ information



BSI – in the use of industry-respected best practices



**Constructionline**

A government run scheme to regulate health & safety standards



SMAS health & safety membership organisation



Construction Skills Certification Scheme (CSCS)

[DOWNLOAD ALL BA SYSTEMS ACCREDITATIONS HERE](#)

## The balustrade system specialists™

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BA Systems is a registered trademark of Brass Age Ltd.

For more information about our products or to discuss your project, please contact us today:

[GET IN TOUCH ONLINE](#)

A selection of some of the companies we have partnered with:



**MORGAN SINDALL**



**mace**

**CARTER BUILDER**

**WILLMOTT DIXON**

**Wates**

**COUNTRYSIDE**  
Places People Love



**Higgins**

**VINCI**



**Balfour Beatty**



**FARRANS**

**UK FACADES LTD**

