



# B40

# Frameless Glass

## Balustrade System



INTERACTIVE PDF

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# Maximise **views** and increase **natural light**

**B40** is a **structural glass** balustrade which **does not require additional vertical supports** so you can enjoy **uninterrupted views**.

**Designed & Manufactured in GB.**  
B40 is a highly adaptable system which can be configured to suit any application. Multiple base fixings and a range of laminated or A2 fire-rated glass options ensures all building regulations can be met.

[VIEW B40 ONLINE](#)



# B40 system

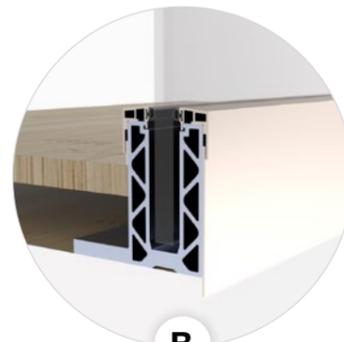


## B40 Base Fixing Options

Versatile fixing options to easily integrate project details, can include additional secondary brackets if required.



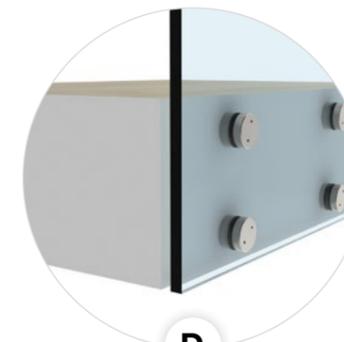
**A**  
**ICE™ 1**  
Surface Mounted



**B**  
**ICE™ 2**  
Offset Mounted

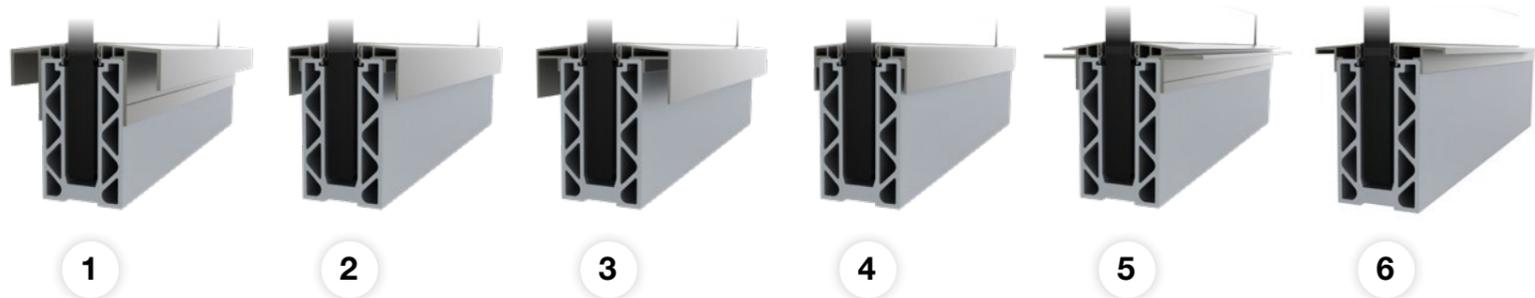


**C**  
**ICE™ 3**  
Side Mounted



**D**  
**Boss**  
Boss Face Fixed

**B40 Finishing Trims** are powder coated or anodized to suit your project:



▶ SEE THE B40 SYSTEM

- › Minimalistic design **maximises views and sunlight**, with no vertical supports or visible fixings.
- › **Complementary handrail and trim** detail enhances the architecture.
- › **Easy waterproofing** via the B40 systems base extrusions designed to integrate with waterproofing systems.

- A** BASE FIXING **ICE™ 1** › *Surface Mounted*  
Fix to concrete, steel or by using bespoke brackets below or above the finished floor levels.
- B** BASE FIXING **ICE™ 2** › *Offset Mounted*  
Fix to concrete or steel, channel can be concealed below finished floor levels, typically used when mounting close to edges of balconies.
- C** BASE FIXING **ICE™ 3** › *Side Mounted*  
An alternative fixing method for maximising balcony floor space. Fix to concrete, steel or parapet walls. Concealed with trims or within wall.
- D** BASE FIXING **Boss** › *Face Fixed*  
Visible face fixings secure the structural glass to the finished wall (timber, concrete, steel).

# B40 handrail and infill



## Aluminium Capping

Low profile satin aluminium capping top rail to glass.



## Stainless Steel Slotted

48mm diameter slotted handrails, top mounted with appropriate gaskets.



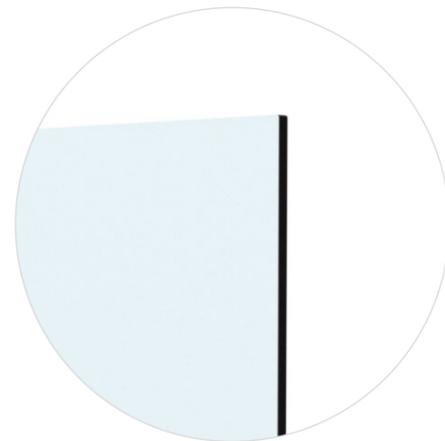
## Vetobac® Slotted

VBA99 antimicrobial copper-alloy capping. Proven to kill Sars-cov-2 in under 1h.



## Stainless Steel Offset

42mm or 50mm dia. handrails, offset mounted 900mm high above floor.



## No Handrail

Laminated glass with no horizontal top rails.

Request your B40 product specification

[REQUEST B40 SPEC](#)

## GLASS INFILL OPTIONS

### Balcony Loading Glass

21.5mm thick laminated clear toughened glass is typically used for balustrade loadings of 0.74kN/m design loads. This includes most residential balconies and terraces. Glass is available in various options of opaque or coloured interlayers.

### Crowd Loading Glass

26.5mm thick clear toughened and laminated glass is used for 3kN/m design loads in public walkways wider than 3m and other areas that are subject to overcrowding e.g Shopping centers and stadiums. Glass is available in various options of opaque or coloured interlayers.

### Walkway Loading Glass

Toughened and laminated 21.5mm thick glass, used for 1.5kN/design loads. This is typically used in public areas, walkways, and communal terraces.

# B40 fire compliant option



## B40 CREDENTIALS

- › Compliance for **residential projects** above **18m** in height
- › Conforms to **BS EN 13501 Class A2-s1, d0**
- › Compliant with 2019 changes to approved **Doc B**

Fully tested for resistance to impact as well as breakage and adhesion. Watch the test videos!

[▶ B40 TESTING](#)

By utilising a specially designed **laminated glass infill** and other A2-rated components (powder coatings and channel fixing system) B40 is **safe to use on residential projects** over 18m.

Request the full B40 test report

[B40 TEST REPORT](#)



B A S Y S T E M S

# B40 technical benefits

Request your B40 product specification

[REQUEST B40 SPEC](#)



## Integration with other trades

With the various designs of base channel and finishing trims that have been specifically developed for the system we are able to adapt to suit the majority, if not all building systems floor build-ups and finishes.



## Waterproofing compatible

The base extrusions and secondary brackets used with B40 are designed to fully integrate with waterproofing systems, complimenting the buildings waterproofing strategy.



## Timeline assurance

B40 can be fitted early on in the project allowing for other floor and internal works to progress. The installed panels are then carefully wrapped and protected from damage.

# B40 projects



Type **Retail & Commercial**  
Contractor **Wates**  
Location **Bristol**  
Value **£180k**



Type **Residential**  
Location **Manchester**  
Value **£140k**



Type **Hotel & Leisure**  
Contractor **Westbrook Developments**  
Location **Worthing**  
Value **£200k**



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Type **Hotel & Leisure**  
Contractor **Gilbert-Ash**  
Location **Chelsea London**  
Value **£220k**



Type **Hotel & Leisure**  
Contractor **Global Grange**  
Location **London**  
Value **£125k**



# 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)



Need some inspiration?

[VIEW CASE STUDIES](#)



# 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

VETOBAC®

## VBA99

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