


For more information go to [www.barbourproductsearch.info](http://www.barbourproductsearch.info)

 **Crystal**<sup>TM</sup>  
Frameless structural glass

*Quality you can hold on to.*

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[www.sapphirebalustrades.com](http://www.sapphirebalustrades.com)

 **SAPPHIRE**<sup>TM</sup>  
balustrades



## Crystal

Light, space and style

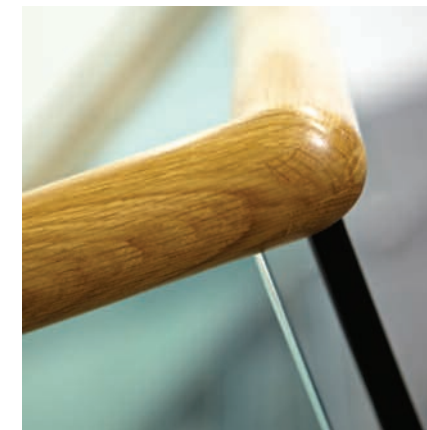
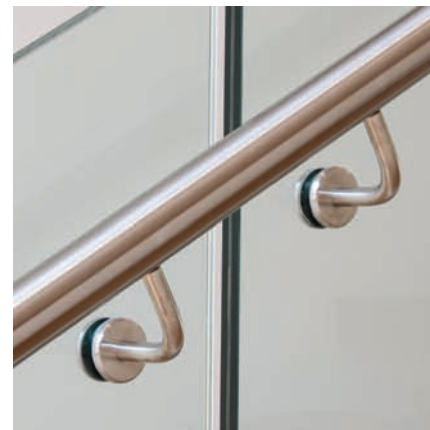
Crystal combines an elegantly minimal look with structural strength and robust performance.

Crystal is ideal for large atria and other high-profile applications, with a design that's been refined through years of careful development. Its structural glass panels provide a perfectly clear view and an understated lightness that ideally complements both modern and classic buildings.

A wide selection of handrails can be combined with Crystal, either offset or slotted directly on to the glass. Choose from a range of base details and several types and thicknesses of toughened glass (including laminated glass for ultimate security).



 Crystal > product credentials



Unimpeded view with no support posts

Use for internal and external applications

Meets all relevant UK regulations

Optional protective film reduces the risk of damage or injury from falling fragments in case of breakage

Possible enhancements include acid etching, sandblasting, screen printing, special coatings and LED lighting (see page 110)

**profiles**

Point fixings  
Plate fixings  
Aluminium channels

**material options**

12, 15, 19, & 25mm glass  
17.5 & 21.5mm laminated glass

**finishes**

Clear glass  
Privacy glass  
Coloured glass  
Tinted glass  
Self-cleaning glass  
Low-iron glass  
Anti bacterial glass  
Manifested glass  
Heat soaked glass

More in-depth technical information is available in the [Crystal technical brochure](#).



## Subsea 7 HQ > Westhill, Scotland

### Commercial



This commercial installation featured Crystal with Natura handrails on the stairs, Jasper with Natura handrails in the restaurant area and Crystal with Onyx handrails in the exterior bridge area. We also manufactured the bridge itself.

The finished effect is light and spacious, with pleasing natural tones, yet robust and practical.

**Architect**  
Michael Gilmour Associates  
**Contractor**  
Mansell





## Maresfield > Hampstead

### Residential

This residential project, includes curved Crystal panels, a spiral staircase and curved handrails, continuing with the same materials around the landing. The end result perfectly complements the natural wood of the steps and doors, creating a beautifully smooth transition between levels.

**Architect**

GCK Architects

**Contractor**

Hawkins Building Services





## 50 Hoxton Square > London

### Commercial

For this commercial project, we supplied and fitted Crystal balustrades with Onyx handrails on the stairs and in the atrium.

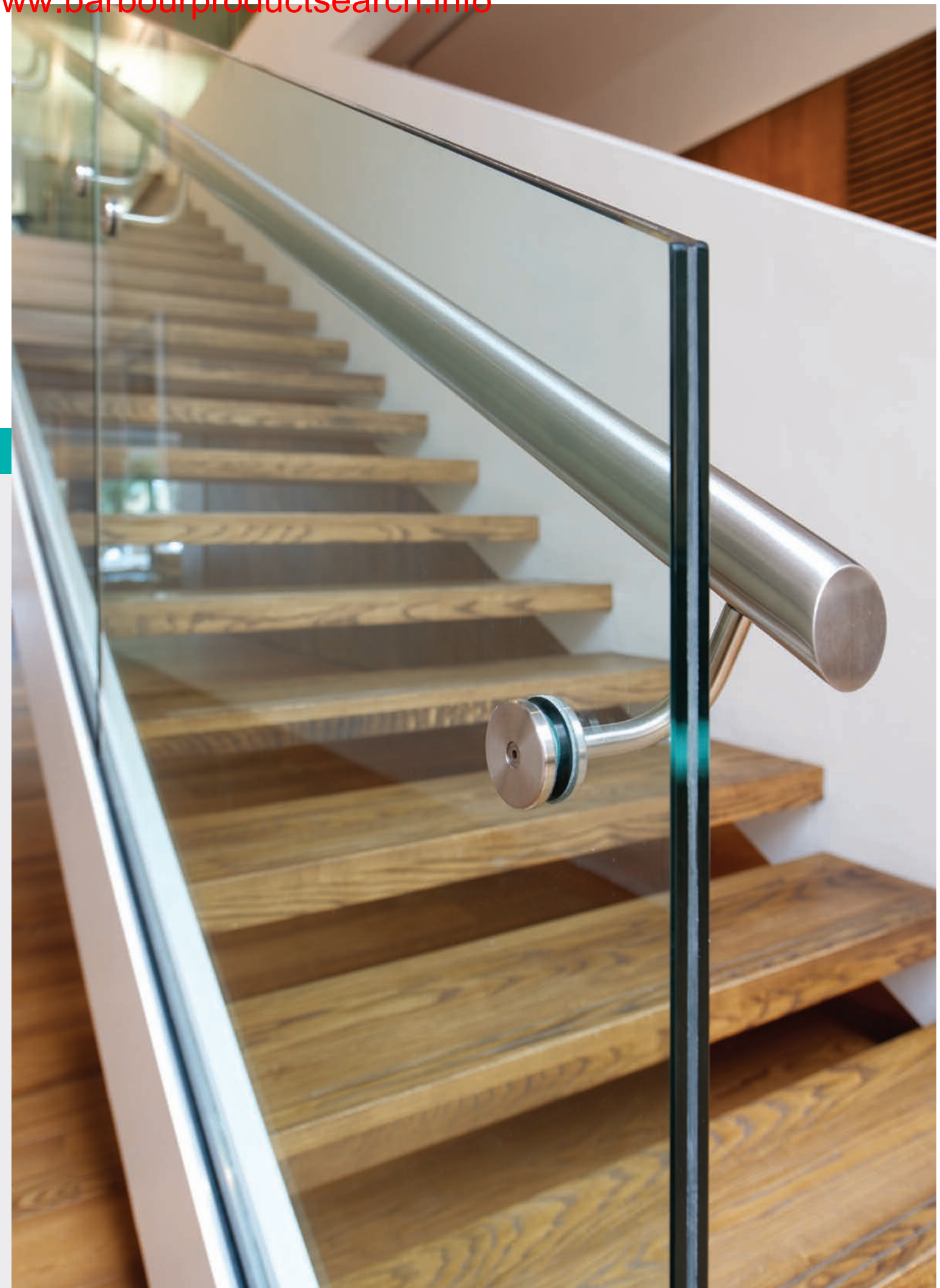
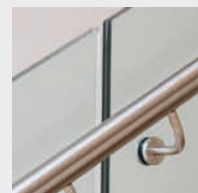
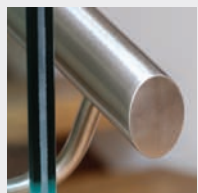
Laminated glass was used to avoid the need for a handrail on the atrium balustrade.

#### Architect

Theis and Khan Architects

#### Contractor

Dollman Ralston





## Primark > Bristol

### Retail



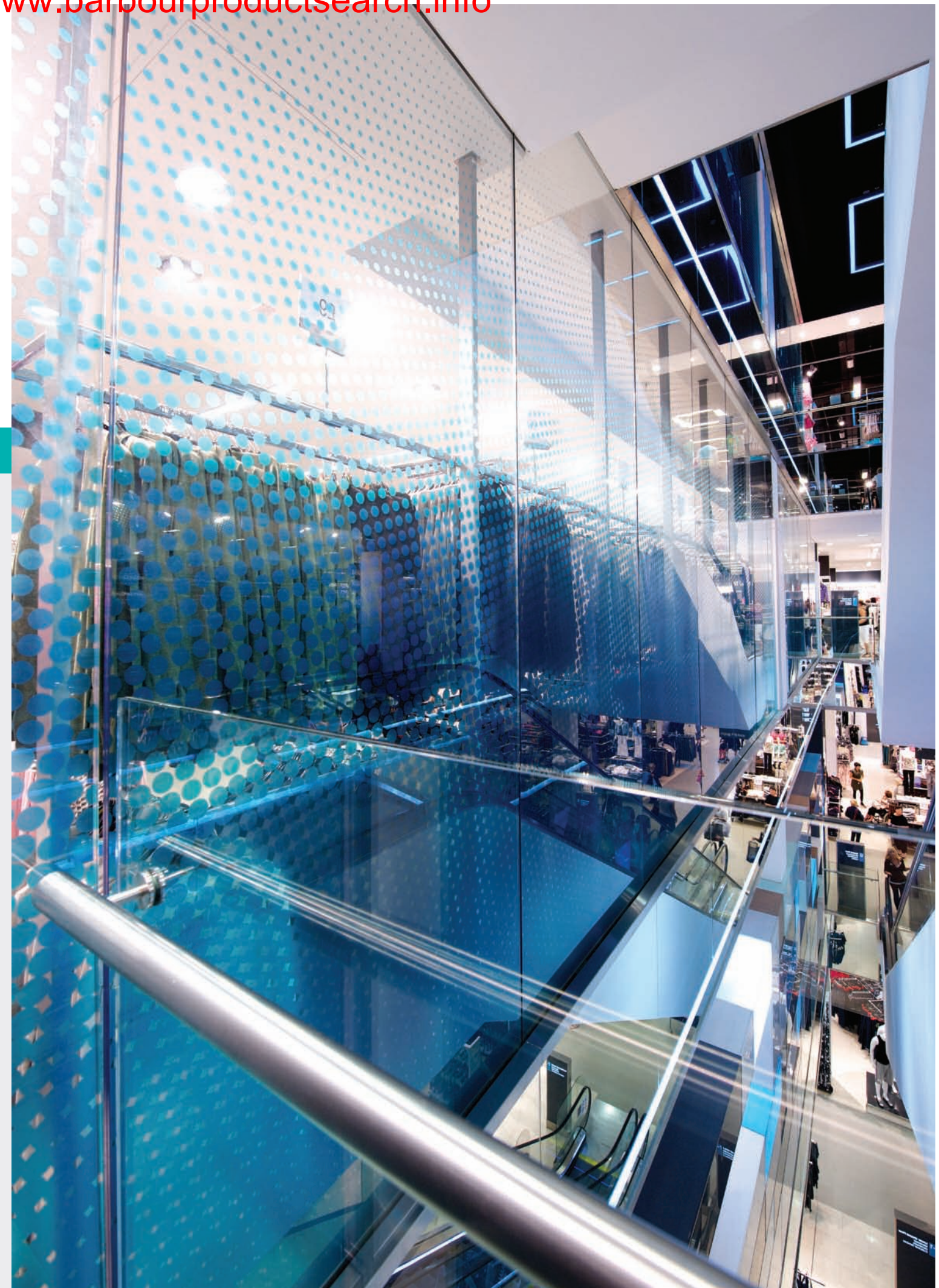
Primark, the UK's leading budget clothing store, commissioned Sapphire products for several areas of its flagship Bristol outlet, after being impressed with our work on numerous stores around Europe over many years.

We provided glass walling and Crystal balustrades for the escalator atrium, a Crystal balustrade with gates for the window

display areas and an Onyx balustrade for the customer stairs.

The store won the Store Design of the Year award for 2009.

**Architect**  
TTG Architects  
**Contractor**  
Patton Fit-out





## Inspired > Bracknell

### Commercial

Inspired is a modern office building offering high-specification accommodation in an accessible location. This commercial commission comprises a Crystal balustrade for the main atrium, an Onyx handrail on two atrium staircases and an Opal balustrade for two office staircases. Onyx balustrades were also fitted to external ramps and steps.

The installation features laminated glass with a small capping in place of a handrail on the Crystal elements.

**Architect**

Collett & Farmer Architects

**Contractor**

Wates Interiors



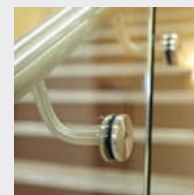
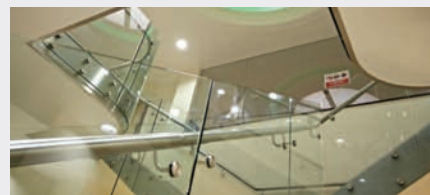
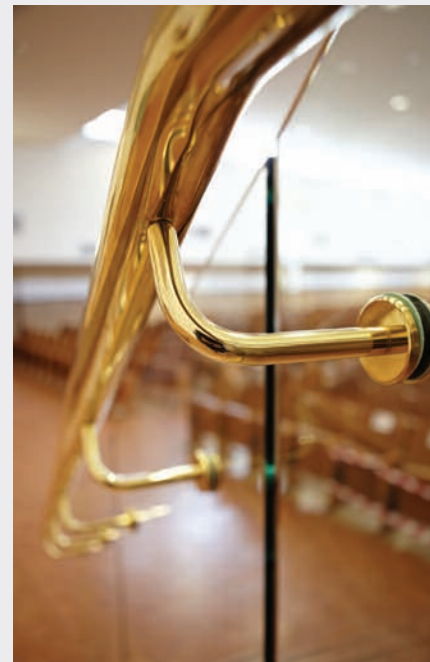


## Church > Peckham

### Community

This high-traffic staircase in a community church needed to be hard-wearing, practical and elegant. The solution uses light, clear Crystal panels with offset Onyx handrails in stainless steel and brass. A curved return on the handrail at the base of the staircase maximises ease of use.

**Architect**  
FDF Architecture  
**Contractor**  
Faihtdean





## Balustrade enhancements > overview



### Armourex

> Advanced coating

Armourex is a uniquely formulated coating offering enhanced performance and extended life. The coating was developed around three core needs:

**Anti-graffiti** > Graffiti is easy to remove without solvents. Armourex is also flame-resistant.

**Antibacterial** > Contains an active agent to inhibit growth and reduce spread of bacteria.

**Scratch resistant** > With a 118 Buchholz hardness, a Clemen hardness of 3500 and a thermal conductivity of 0.3, the coating offers great scratch resistance and a 'warm to the touch' feel.



### Natura

> Hardwood handrails

Natura hardwood handrails provide a soft natural complement to components and balustrades from our other ranges. Combine it with stainless steel or glass for a contemporary, warm and welcoming feel.

Our unique high-strength jointing methods mean no core rail is required, dramatically improving the aesthetic impact of the range and enabling smooth, flowing corners and bends – just as with our core ranges. Natura fixings are hidden from view where possible.



### Naturex

> Woodgrain coating

Naturex is a highly realistic woodgrain coating, available as an alternative to powder coating. The coating can be made to match any species of timber.

Naturex is suitable for both internal and external situations, offering the same look as timber but with superior durability (25-year lifespan) and no need for regular maintenance. A wide choice of grains and colours can be chosen, all of which deliver further cost savings. Naturex can be applied to both balusters and handrails.



### Lunalite

> LED

LED lighting embedded into the underside of the handrail can be used to illuminate walkways for safety or just to create a stunning visual effect.

LEDs are available in white, red, blue, green, yellow, purple or constantly changing colours.

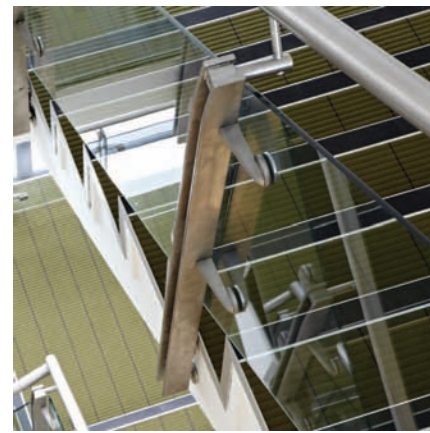


### Gates

We offer lockable gates in stainless steel, glass and other materials to match our balustrades. Gates provide useful access control in retail, hospitality and other environments, while preserving visual continuity. One-way access gates can also be provided.



## Balustrade systems > overview



### Crystal

#### Light, space and style

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> [Frameless structural glass](#)

### Onyx

#### Versatility and resilience

Onyx, our stainless steel range, offers a great-looking, low-maintenance solution that's ideal for communal areas in retail, commercial, residential, education and leisure settings.

> [Stainless steel tubular balusters](#)

### Jasper

#### Elegance and creative scope

Jasper is a recently introduced flat-baluster system with slim, contemporary sightlines. It works equally well in both level and raking situations. The range can easily incorporate customised baluster profiles.

> [Profiled flat balusters](#)

### Opal

#### Value and quality

Opal's attractive, head-wearing polyester powder-coated finish delivers a superb balance of durability, quality and value, providing a visual complement or contrast in any environment.

> [Coated tubular balusters](#)

### Aluma

#### Strength and simplicity

Aluma is a cost-effective aluminium balustrade system with a crisp, contemporary flavour. It takes its visual style from a range of aluminium extrusions in various shapes, sizes, finishes and colours. Handrails are joined with hidden fixings to give a perfectly clean line and uncluttered appearance.

> [Aluminium section balusters](#)



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MD3101115

Designed and produced by Aura: [www.studioaura.com](http://www.studioaura.com)

ACP4472/01.11