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KOMFORT

# Structural Glass & Fire Screens

Bespoke glazing solutions

Love the space you're in.



# Introduction

Komfort Architectural Glass is a specialist division of Komfort.

### What we do

The Architectural Glass Division offers a complete solution for the design, supply and installation of bespoke glass and structural glass projects as well as a full range of fire rated glazed fire screens.

We work closely with architects and designers to consider all of the performance requirements in each case. We are able to provide specifications to NBS standards where required and advise technically on glass performance and aesthetics.

### Design

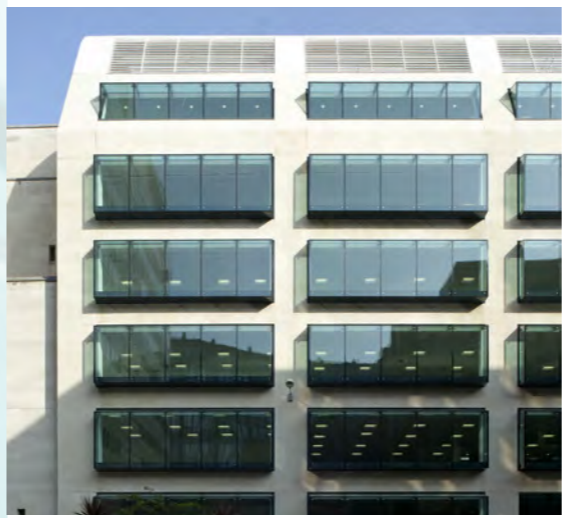
Specialist managers are available to assist clients with bespoke solutions from initial concept through to installation. As part of our contract services, we offer full construction detailing to suit all situations.

### Project management

Komfort has a dedicated project team in place to meet clients needs. A tailored management plan is devised for all projects, allowing every member of the project team to be fully aware of the client's requirements in advance.

### Technical support

Komfort provides a comprehensive technical support service, including specification writing, structural analysis and budget advice on project proposals.



# Glass Design Types

## Bolted Glass Facades

Internal and external frameless glass structures.  
**See pages 6 & 7.**



## Glass Staircases & Balustrades

Featuring all glass structural systems or with combinations of stainless steel, glass and timber .  
**See pages 8 & 9.**



## Bespoke Glass Assemblies

Specialist installations including screens, lift shafts and cladding.  
**See pages 10 & 11.**



## Glass Canopies & Floors

Framed or frameless bolted glass with stainless or mild steel support structures.  
**See pages 12 & 13.**



## Fire Screens

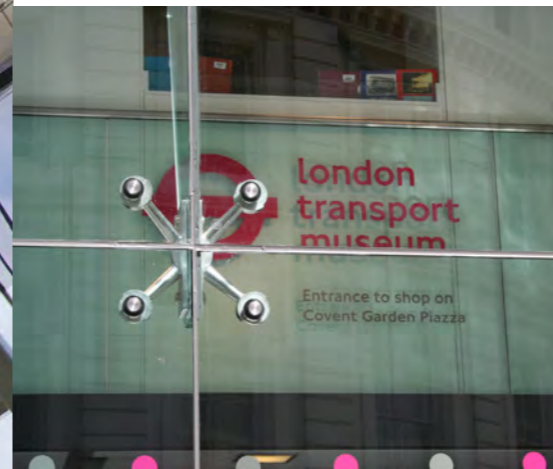
A comprehensive range of glazed firescreens with up to 2 hour fire protection.  
**See pages 14 & 15.**



Frameless bolted glass elevations installed at The Old Bailey, London.

## Bolted Glass Facades

Frameless glass supported by a range of bolted mild steel or stainless steel support structures including precision cast spiders. Solutions are available single or double glazed.



## Glass Staircases & Balustrades

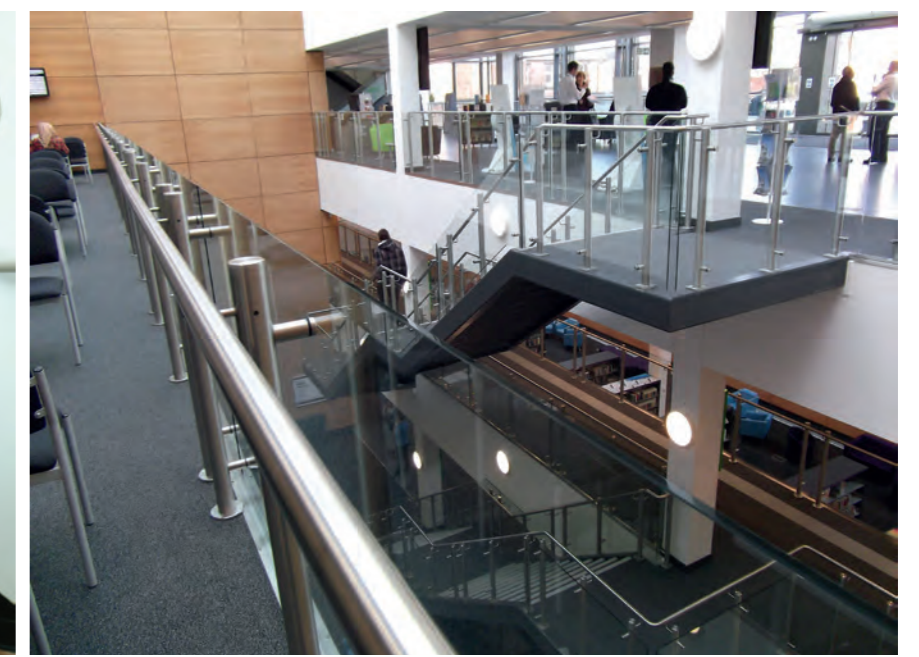


Laminated glass treads and structural glass balustrade.



Glass staircases are designed with stainless or mild steel structures and all glass designs are also available incorporating glass treads and freestanding balustrading. Design led requirements and bespoke solutions mean any structural glass style can be accommodated and used in conjunction with stainless steel, a wide selection of solid timber or coloured nylon handrailing.

Left: Visually freestanding glass balustrade and applied handrail.  
Below Left: Nylon system with glass infill.  
Below Right: Stainless steel handrail and balustrading with glass infill.



Above: Timber and stainless steel balustrade with glass infill.



Above: Bolted glass balustrade and staircase built to a design radius.



Oriel bay windows in structural frameless glass at The Old Bailey, London.

# Bespoke Glass Assemblies

Exterior glazing will always need detailed and considered design specification. In addition to the usual structural performance requirements, consideration should also be given to both thermal control and solar control as well as any necessary weather proofing.

Left: Cantilevered balcony glazing.



Centre Left: Modern glass link bridge complements traditional structure.  
Centre Right: Curved and faceted 2 edge supported glazing.  
Bottom: Structural glass feature doubles as a central atrium.

## Glass Canopies & Floors

Overhead canopy glazing is normally installed in toughened and laminated glass to meet CWCT recommendations, even where bolted glass connections are specified. Numerous options are available, incorporating mild or stainless steel canopy support structures.

Internal or external glass floors allow light to penetrate deep into the building structure. Glass floor panels are formed using multi ply clear laminates specifically designed to take any necessary load requirements. The glass in this specification type can be surface treated with sand blast, decorative fritted finish, or illuminated with LED or similar lighting to create numerous architectural effects.



Double glazed entrance canopy and automated revolving doors.

Top Left: Overhead glazing on primary steelwork.  
Top Right: Underlit laminated glass floor panels with sandblast finish.  
Above & Left: Bespoke glass entrance and facade on glass fin supports.



Glass to glass butt jointed fire screens offer up to 60 minutes insulation and integrity.

## Fire Screens



Fire performance requirements don't need to restrict freedom of design. Modern technology permits the use of glass in the most aesthetically sensitive areas without compromising fire safety standards.

Komfort Glazed Fire Screens offers a comprehensive range of fire resistant glazing systems, from the latest silicone butt jointed technology, to the very highest performance timber and steel framed systems, offering up to 2 hours for integrity and insulation.

The Glazed Fire Screens division are specialists in the field of fire resistant glazing, both framed and frameless, and can offer help in developing cost effective solutions to meet the most demanding specification. A team of specialists provide technical support from your initial enquiry through estimating, design, manufacture and site installation, all backed up by relevant BS 476 approvals.



Whatever your requirement, Komfort Glazed Fire Screens can provide a solution.

**Steel framed fire screens offer a variety of specification options up to 120 minutes if required.**





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## Sales Offices

### Head Office – Horsham

Ashurst  
Broadlands Business Campus  
Langhurstwood Road  
Horsham  
West Sussex  
RH12 4QP  
Tel: 01403 390300  
Fax: 01403 218828  
E-mail: [general@komfort.com](mailto:general@komfort.com)

### Leeds

Unit 2  
Intermezzo Drive  
Stourton Link  
Leeds  
West Yorkshire  
LS10 1DF  
Tel: 0113 395 6565  
Fax: 0113 395 6566  
E-mail: [northern-sales@komfort.com](mailto:northern-sales@komfort.com)

### Birmingham

Unit 2  
Rabone Park  
Rabone Lane  
Smethwick  
Birmingham  
B66 2NN  
Tel: 0121 555 0300  
Fax: 0121 555 0301  
E-mail: [midland-sales@komfort.com](mailto:midland-sales@komfort.com)

### Republic of Ireland

Tel: +353 (0)1 6099126  
Fax: +353 (0)1 6099110  
E-mail: [dublin-sales@komfort.com](mailto:dublin-sales@komfort.com)

### Southern Sales Counter

Unit 10  
Gatwick Distribution Centre  
Whittle Way  
Crawley  
West Sussex  
RH10 9RT  
Tel: 01293 577890  
(for stock/sales counter enquiries only)

### Internet

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

## Showrooms

### London

14 Bonhill Street  
London  
EC2A 4BX  
Tel: 0207 256 5701  
Fax: 0207 374 8649  
E-mail: [london.showsuite@komfort.com](mailto:london.showsuite@komfort.com)

### Leeds

Unit 2  
Intermezzo Drive  
Stourton Link  
Leeds  
West Yorkshire  
LS10 1DF  
Tel: 0113 395 6565  
Fax: 0113 395 6566  
E-mail: [leeds.showsuite@komfort.com](mailto:leeds.showsuite@komfort.com)

### Scotland

The Skyhouse  
18 Elliot Place  
Glasgow  
G3 8EP  
Tel: 0113 395 6565  
Fax: 0113 395 6566  
E-mail: [scotland.showsuite@komfort.com](mailto:scotland.showsuite@komfort.com)



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