

RANKINS

GLASS SPECIALISTS
SINCE 1830



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By Appointment to
Her Majesty The Queen
Suppliers of
Non-Reflective Glass
Rankins (Glass) Co. Ltd.

Company Profile

HISTORICAL

Glass is the most versatile material ever produced by man as well as being one of the oldest, and Rankins are the oldest independent family glass processing, surface decorating and glazing company in London. Founded originally in 1880, during 2001 the company further expanded its operation by taking over the processing division of T & W Ide, thereby changing the established date to 1830.



GLASS RACKS



GLASS BEING SHIPPED ON A CUSTOMISED GLASS-CARRYING VEHICLE

The company has expanded gradually over the years, moving with the changes within the glass industry but always keeping to the philosophy of providing good quality products and service. The company is situated in Shoreditch; an incendiary device having destroyed the original premises in Farringdon during WWII. This location is an ideal base for servicing Central and Greater London and the M25 corridor.

Rankins offer a high quality toughened glass, 4mm to 25mm under the "Royale" trademark. Rankins hold the Royal Warrant, are active members of our trade body, the Glass and Glazing Federation (GGF) and registered to BS EN ISO 9002 Quality Assurance. In line with the versatility of glass, Rankins have developed a niche market in the supply of top quality low reflective and conservation glasses to the museum and art world, as well as developing specialist laminated glasses for bullet/fire protection.

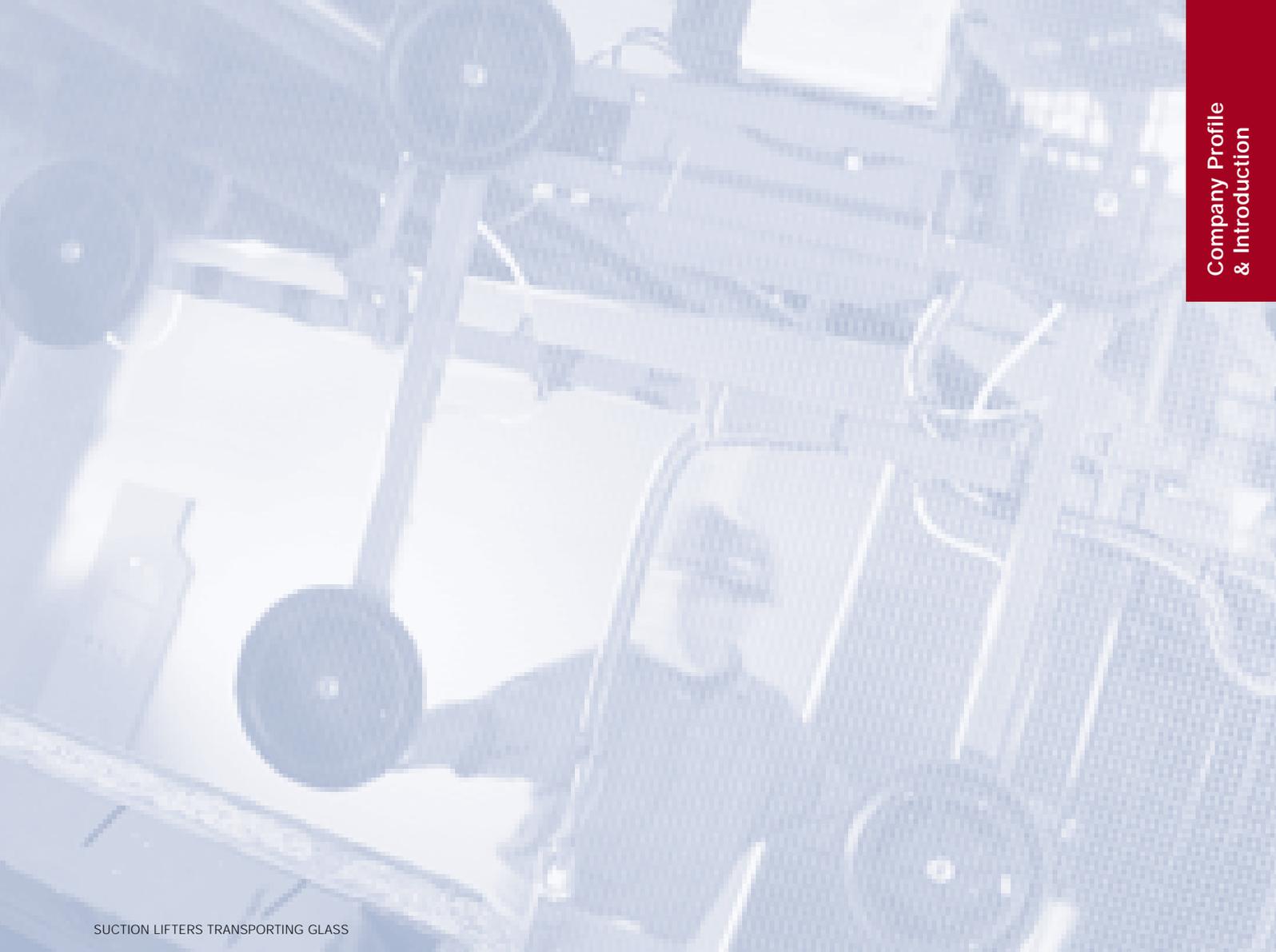
PRESENT DAY

Paul Rankin who is fourth generation Rankin currently runs the company. Under Paul's direction the company has moved forward into the 21st century with modern machinery, ideas and techniques. The November 2001 acquisition of IDE Processing has increased the in-house surface decorative processes to include antique hand silvering, sand blasting, acid embossing, gilding, silkscreen printing and brilliant cutting. The factory houses four high technology Z Bavelloni CNC machines, that utilise a wide range of grinding wheels, polishing wheels, milling tools, orbital saws and core drills.

These machines are capable of finishing circles upto 2.2m diameter, and any shape that will fit within a rectangle of 2.2m by 3.2m.

Rankins boast a comprehensive stock of float glass products from 1.4mm to 25mm and offers specialist laminated products, conservation glass, low-reflective, bullet and anti-vandal and fire resistant glasses, as well as many different forms of decorative glasses.

Rankins have established a sound relationship with many customers throughout the UK and abroad and will continue to produce customer's requirements to the highest specification, whilst extending the civility and assistance that has become our trademark.



SUCTION LIFTERS TRANSPORTING GLASS

Introduction

Glass is available in many forms and can perform numerous functions. In its simplest most common form (clear float glass) it can be laminated, toughened, bevelled and polished, silvered or decorated. Many of these processes can also be applied to other types of glass, and on some occasions it may be necessary to apply several of these processes to the glass to achieve the required performance or appearance.

Glass can be used in furniture and floors, construction and museums, shower screens and showcases, the list is endless. When glazed glass can offer a flame and heat resistant barrier, can be part of the structural skin of a building or give protection from the sun's heat and damaging rays. Rankins offer products and services that can fulfil all your glass requirements and throughout this brochure you will find a full list of our facilities and capabilities in greater detail.



CNC MACHINES







Glass Processing

Rankins are one of the largest glass processors in the UK and have extensive in-house capabilities to cut and process a large variety of glasses. The large stock available means that glass, from 3mm to 25mm (in single sheet form), and 4.4mm to 55mm (in laminate form), can be cut and processed completely in house. Rankins comprehensive production facilities enable a selection of edge profiles for all thickness of glasses available.



CNC ORBITAL SAW



STRAIGHT-LINE EDGER'S



CNC POLISHED CIRCLE



FLAT EDGE AND ARRIS POLISH

This type of profile is a highly polished flat edge with a small chamfered arriss to both faces. It is generally used for furniture, shelving, mirrors, armour plate assemblies, balustrades and many other applications.

BEVELLED EDGE

A bevelled edge is normally used as a decorative feature to enhance a piece of glass. It is a highly polished shallow chamfer along the edge of the glass, and is available in varying widths and angles and can be applied to both straight and shaped edges. It is most commonly used for mirrors, door panels, tabletops, shelving and furniture.

MITRED EDGE

A mitred edge is a steep chamfer on the edge of a piece of glass it can be applied to straight edges in varying degrees of angle from; 45 to 90. It's main use is for butt jointing of shopfronts, mirrors and cladding, but can also be used as a decorative feature. Rankins have CNC technology in both cutting and edgeworking, with a Bottero shaped cutting table and four Bavelloni 'Alpa' CNC machines. These versatile machines enable Rankins to produce high quality edgework for furniture and architectural applications. Drilling, sawing, routing, milling and polishing is carried out by these machines to produce complex pieces of work which could not normally be produced using traditional methods of edgework. CAD drawings can be generated to produce pieces of work to customer's specification without the need for expensively produced templates.

Precision Glass

The Rankin Group, with its highly qualified glass technicians and continued investment in machinery, are able to process glass to an accuracy much greater than is available in the flat glass industry, supplying glass to various high technology companies.

SALES

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Glass Enclosures

Bespoke showcases, cabinets, counter tops and side panels, shower screens and aquaria can be manufactured to specification. UV bonding available.

Toughening

Rankins Glass toughening plant produces toughened glass ranging from 4mm to 25mm thick, including tinted, textured, sandblasted, kiln formed and painted glass.

Continual testing is carried out in accordance with BS 6206A to ensure that high quality glass is produced.

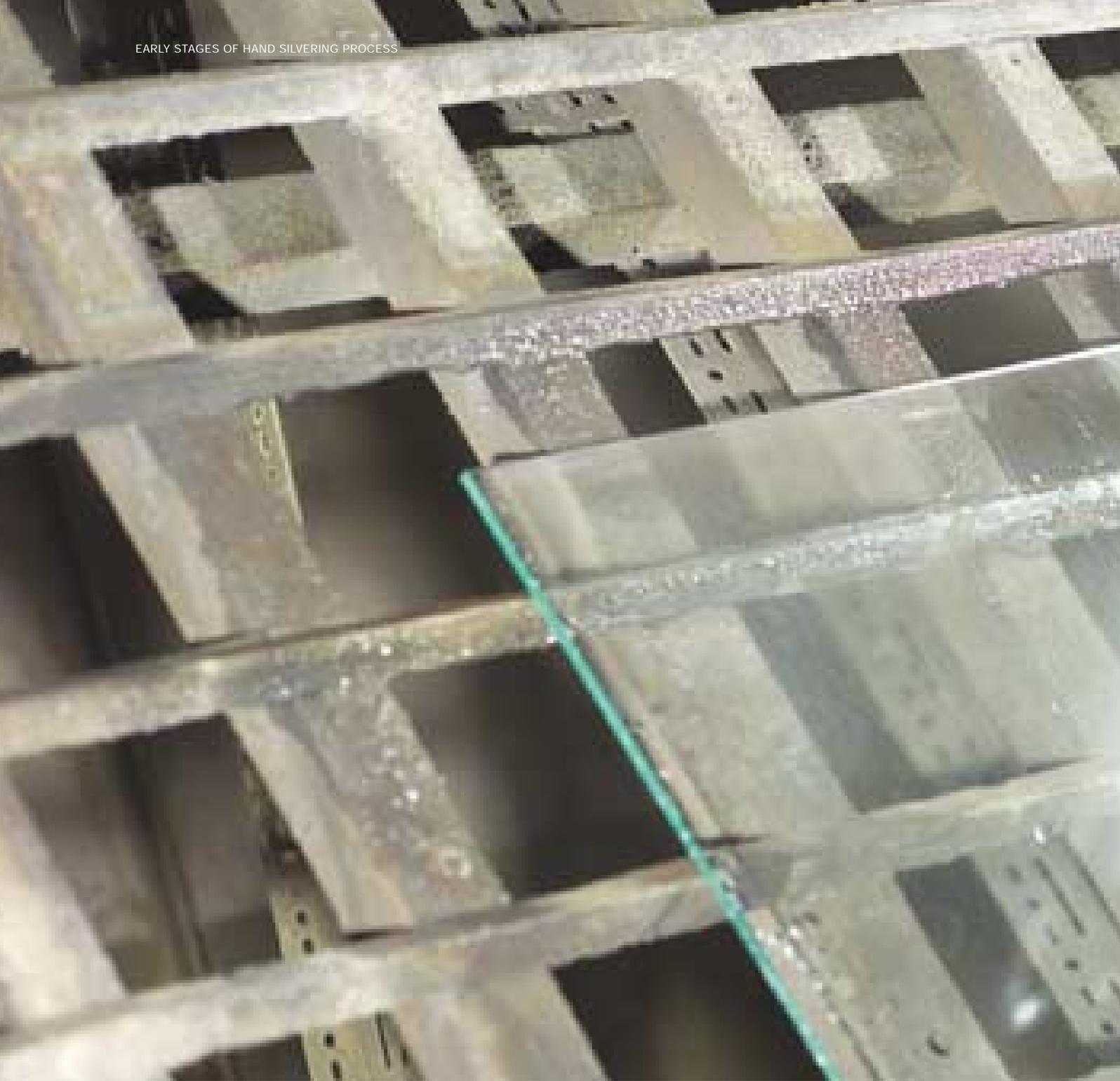
Toughened Own Glass and Heat Soaking services available.



EFCO TOUGHENING PLANT



THE ROYALE STAMP OF QUALITY



Silvering

Rankins Glass could legitimately claim to have one of the most extensive ranges of silvered glasses in the country. In stock we hold mirror in seven colours, as well as Venetian striped mirror and one-way vision mirror in both annealed and laminated versions. In addition to this range of stock glass, Rankins keep alive the traditional skill of hand silvering. This means we can apply mirror to either a line or specific design as required. Because we nurture this traditional skill, it allows Rankins to produce a range of six different antique and distressed mirrors on a bespoke service.



SILVERING SPRAY GUN



WALL OF MIRRORS AT OCEAN MUSIC, HACKNEY



ART DECO MIRROR



DECORATIVE PLATE - VARIOUS TONES OF ACID



Decorative

Rankins is one of the leading glass decorating companies offering a full range of surface decoration using techniques such as acid etching, sandblasting, hand silvering, painting and gilding to create designs on all types of glass to the requirements of architects, designers, artists and specifiers.



GOLD GILDING



ACID & SANDBLAST PANEL



WHITE ACID & SILVER WINDOW PANE



Fire Resistant

Rankins Glass offers the specifier a complete range of architectural fire resistant glazing systems for both vertical glass walls, roof sky lighting and atrium applications. Manufactured either in Timber (hardwood) most species' or architectural cold rolled profiles all constructed to achieve the required criteria in accordance with BS476.

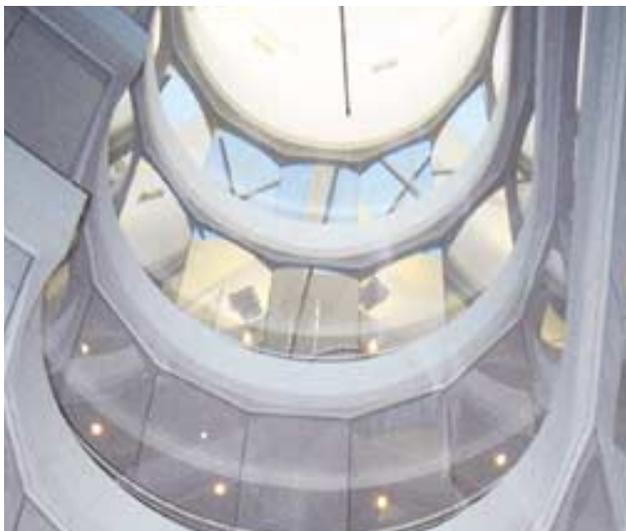
Rankins Glass are stockists of Pyrobel fire-resistant glass and offer cut sizes from stock. Also available are many other types of fire-resistant glass including Pyrostop, Pyran, Pyrocet, Pyroshield and Pyroshield safety.

ALUMINIUM FIRE DOORS AND SCREENS

To further complement the product range we now offer an Aluminium Fire Screen System available to 30 minute, or 60 minute integrity and insulation ratings. Each system is designed specifically to suit the requirements of the particular project. As the system uses the same profiles to achieve 30/30 or 60/60 rating, it is possible for either rating to be used in the same facade, presenting a uniform appearance to both fire screen and frame.

FIRE PROTECTION WITH GLASS

Rankins have produced and installed protective glass structures both for individual items such as fire-resistant showcases and picture frame envelopes, as well as conventional means of escape routes.



BUTT JOINTED PYRAN GLAZED BY RANKINS AT SWALLOW COURT, LONDON



Specialist Glass

Rankins can offer obscured glass for vanity tops, splash backs and kitchen work surfaces. Various means, such as sandblasting, painting, silk-screening or a combination of these processes can achieve this obscuration.

As well as bonding glass to glass we also bond glass to metal.

PYROBALLISTIC AND PYRATAK

Pyroballistic™ and Pyratrak™ are special glass hybrid's, developed in conjunction with CSI Limited. These products provide, not only fire resistance but resistance to ballistic or manual attack. The extensive testing carried out means that we can provide over 60 minutes integrity (both ways) or 60 minutes insulation, dependant on the framing system used. We have achieved a bullet resistance of up to G2/S86 (44 Magnum/12 Bore Shotgun/Full Choke Lead Slug) on the Pryroballistic™. The Pyratrak™ provides anti-manual attack protection to a minimum of BS 5544, but can be produced to withstand much greater physical attacks.

- Heat resistant – Firelite, Robax, Borosilicate.
- Fire resistant – Pyrobel, Pyrostop, Pyran, Pyrocet, Pyroshield, Pyroshield Safety, Double Glazing Units available.
- One Way Vision – Annealed, Laminated.
- Low Iron Glass (White) – 3mm -19mm.
- Tinted Float – Green, blue, bronze, grey.
- Tinted Mirrors – Peach, green, blue, bronze, grey.

- Acid washed glass – Annealed, Laminated.
- Sandblast glass – Plain or with Clearshield Coating.
- Low Reflective – Annealed, Laminated, Toughened.
- Special Multi-Laminates – Anti-Bandit and Bullet Resistant.
- Antique Mirrors
- Clearshield Surface Technology



GREEN TINTED ROYALE TOUGHENED DOOR ASSEMBLY,
CHESTERFIELD GARDENS, LONDON



The Rankin Group are leaders in supplying specialist laminated glass from the delicate antique glasses to the heavy laminates for glass floors and large aquarium. The type of laminating used is 'cast in place' (CIP). Resin is poured between panes of glass and then cured.



Specialist Laminating



BLUE LAMINATED GLASS, NORTH GREENWICH STATION

Low Reflective Glass

A wide variety of specialist low-reflective glasses are available. The range covers glass suitable for works of art to shop fronts as well as artistic and architectural concepts.



FLOAT GLASS

LOW-REFLECTIVE GLASS



Toughened Doors & Assemblies

Royale toughened doors are manufactured to BS 6206 Class A. Available in 8mm/10mm/12mm thickness. Doors can also be supplied in 15mm/19mm thickness subject to availability of fittings.

Royale exterior doors/assemblies can be supplied complete with high quality fittings in a variety of finishes to operate on floor springs or overhead closers, with associated metal frames or metal channels/angles.

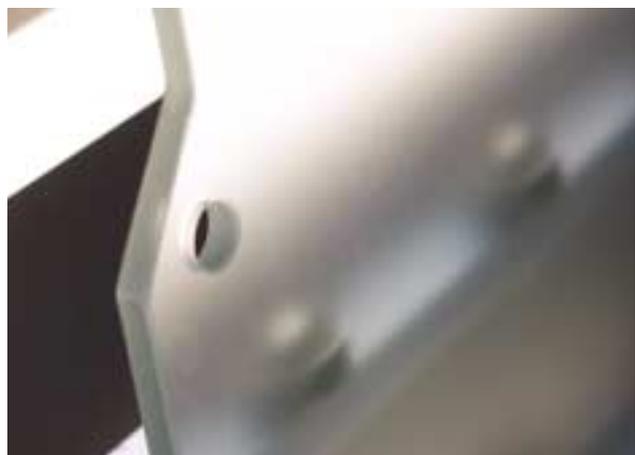
- Royale interior doors supplied with fittings, pivoted, side hung or sliding.
- Royale shower doors and frameless enclosures supplied with hinges, knob or d-line handles.
- Glass types are clear, tinted, sandblast finish or acid etched.
- Royale doors can have lettering, motifs, or logos.
- A full fixing/installation service is available.



THE ROYALE STAMP OF QUALITY



DOOR BLANK BEING TOUGHENED



GLASS NOTCH READY FOR PATCH FITTING



Glazing

Glazing has changed immeasurably over recent years with the advent of innovations such as structural glazing, large glass atria, glass floors and flyovers. In the past when an order for glass was received the end use would be easily known but in today's construction industry glass can be used for a variety of applications.

Rankins glazing have the expertise and capability to handle all types of large and small glazing projects. We deal with glass floors to oversized panels that require craning using portable suction pads. Rankins have a strong awareness of health and safety and environmental issues. All our glaziers are fully trained, competent and of long standing.



TINTED ROYALE TOUGHENED DOORS, CAIRO EGYPT



GLAZED SHOP FRONT



ROYALE TOUGHENED DOOR ASSEMBLY

GLAZING SERVICES

- Glass Doors and Assemblies
- Shower Doors and Fittings
- Balustrading and Barriers
- Mirror Fixing and Wall Lining
- Glass floors and Stairs
- Shop Front installation
- Specialists in High Level Glazing
- Fire-resistant Glass and Framework
- Double Glazing Units
- Security Glazing
- Internal Partitions and Screens
- Structural Glazing
- Patent Glazing
- Clearshield Application
- Technical Advisory Service

Please call us for free advice on any glass or glazing matter.

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E-mail: glazing@rankins.fsnet.co.uk



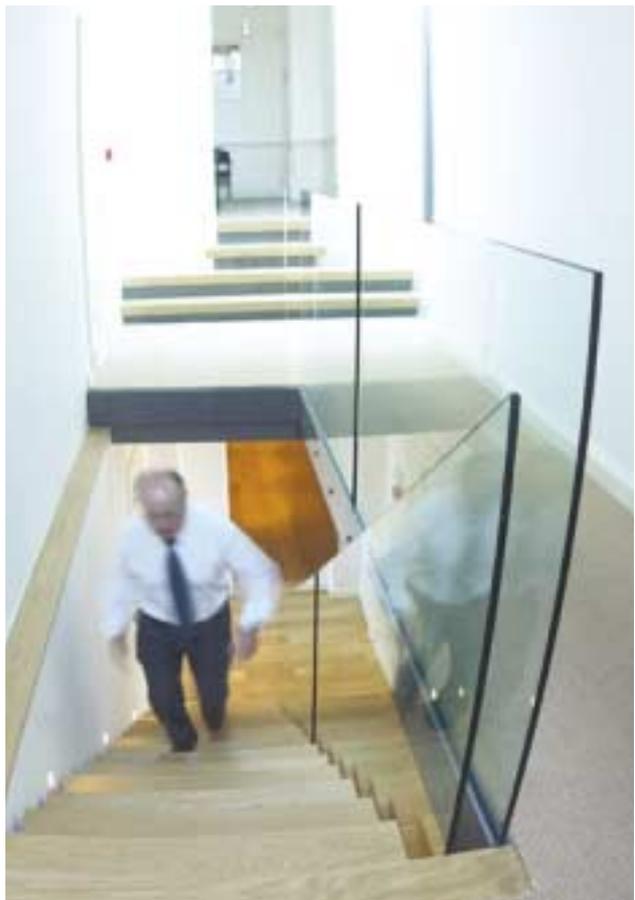


Glass Floors & Balustrades

Rankins are very aware of the current popularity of glass as a feature within a building, and can install state-of-the-art glass floors and stair treads in approved sizes, into steel framework. Glass balustrades are also available complete with fittings in numerous finishes.



INTERNAL BALUSTRADE AT KENSINGTON VILLAGE, LONDON



STRUCTURAL BALUSTRADE IN CENTRAL LONDON



Some of our clients include the following companies & organisations:

Ashmolean Museum
 Balfour Beatty
 Bank of New Zealand
 Barclays Bank
 Henry Boot
 Bovis Construction
 Bradford Watts
 Brent Home Improvements
 British Broadcasting Corporation
 The British Council
 The British Library
 The British Museum
 Birmingham City Council
 Blackpool Tower
 Brighton Dome & Museum
 British Gas
 British Steel
 British Telecom International
 Cable & Wireless Plc
 Canterbury City Council
 Captain Cook Memorial Museum
 Channel 4 Television
 Christies
 Chubb Security
 City of Bristol Museum
 The City University
 Corporation of London
 Costain Construction

Courtauld Institute
 The Daily Mirror
 The Daily Telegraph
 The Design Museum
 Docklands Light Railway
 English Heritage
 Express Newspapers
 Fine Art Society
 Fox Displays
 Glasgow City Council
 Goldsmiths College
 Hackney Borough Council
 Hayward Gallery
 Historic Scotland
 Historic Royal Palaces Agency
 HSBC Bank Plc
 Hull City Museum
 Imperial College
 Imperial War Museum
 Isle of Wight Council
 John Laing Construction
 John Lewis Plc
 Lloyds of London
 London Toy & Model Museum
 London Underground
 London University
 Mansell Plc
 The Ministry of Defence

John Mowlem Construction
 The Museum of London
 The National Army Museum
 The National Gallery
 National Gallery of Scotland
 National Gallery of Canada
 National Gallery of Ireland
 The Natural History Museum
 National Portrait Gallery
 The National Trust
 Palace of Westminster
 Portland Gallery
 Royal Academy of Arts
 Royal College of Art
 The Royal Collection
 Royal Historic Palaces
 Royal Opera House
 The Science Museum
 St Paul's Cathedral
 Tarmac Construction
 Tate Gallery
 Travis Perkins
 United Bank of Kuwait
 Victoria and Albert Museum
 Wallis
 Wiggins Gee Construction
 Willmott Dixon
 Wimpey Construction

GLASS WEIGHT	
Thickness (mm)	Weight (kg/m ²)
4	10
5	12.5
6	15
6.4	15.5
6.8	15.8
7.5	16.6
8	20
8.8	20.8
9.5	23.75
10	25
10.8	25.8
11.5	28.75
12	30
12.8	32
13.5	33.75
15	37.5
19	47.5
25	62.5

All weights are approximate based on nominal glass thickness.



GLASS SPECIALISTS
SINCE 1830

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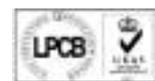
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Glass and Glazing Federation



Quality System
Certificate No.192
ISO 9002/EN
29002