

+44 (0) 20 8665 0558

@ info@chelsea-fusion.com

 www.chelsea-fusion.com

PRODUCT MANUAL



KILN FORMED GLASS

Kiln formed glass offers an exciting range of possibilities to create and capture fluid textures, patterns and optical effects by using heat to form and manipulate float glass over refractory moulds. Whether bespoke or standard patterns, kiln formed glass gives a unique beauty, subtlety and tactile quality.

Kiln formed glass is enormously versatile enabling it to be used for both decorative or structural purposes and is suitable for both internal and external applications. Please see our range of standard textures on page 04.

A wide range of surface finishes including sandblasting, etching, transparent and opaque colours and mirroring can further enhance these textures.

Kiln formed glass is available in standard glass thicknesses and can be toughened/tempered or laminated to the clients' required specification.





SPECIFICATION: Available in annealed, toughened (tempered) or laminated glass to comply with BS EN 12600, BS 6206 Class A or required national safety standard.

MAX. PANEL SIZE: 2100mm x 3100mm
Larger sizes available subject to specification.

THICKNESS: 6mm, 8mm, 10mm, 12mm, 15mm, 19mm, 25mm
Also available as laminates in combinations of glass thicknesses and monolithic (F Block) glass.

GLASS OPTIONS: Float Glass (slight green tint) - as standard
Low Iron (crystal clear)
Body Tinted (transparent coloured)
Mirror Backed

EDGE OPTIONS: Polished all round (PAR)
Arrised all round (AAR)
Ground all round (GAR)

SURFACE FINISHES: Sandblast (etch) to front and/or rear face of glass.

APPLIED FINISHES: Opaque colours, transparent colours or mirror finish can be applied to the rear leaf of the glass.

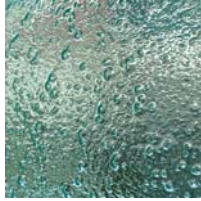
PROCESSING OPTIONS: Shaping, drilled holes, notches, waterjet cutouts.

TOLERANCES: +/- 3mm (glass size)

STANDARD TEXTURES



SK1
MAX. 2100mm x 3100mm



SK2
MAX. 2100mm x 3100mm



SK3
MAX. 2100mm x 3100mm



SK4
MAX. 2100mm x 3100mm



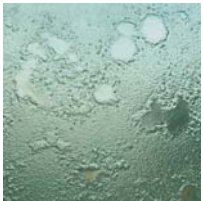
SK5
MAX. 2100mm x 3100mm



SK6
MAX. 2100mm x 3100mm



SK7
MAX. 2100mm x 3100mm



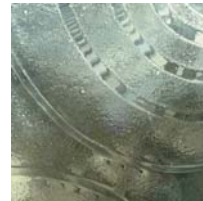
SK8
MAX. 2100mm x 3100mm



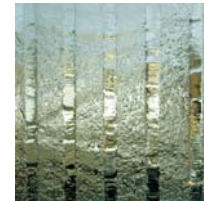
SK9
MAX. 2100mm x 3100mm



SK10
MAX. 2100mm x 3100mm



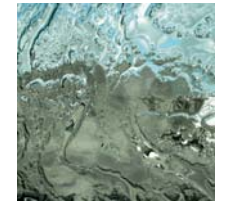
SK11
MAX. 2100mm x 3100mm



SK12
MAX. 2100mm x 3100mm



SK13
MAX. 2100mm x 3100mm



SK14
MAX. 2100mm x 3100mm



SK15
MAX. 2100mm x 3100mm



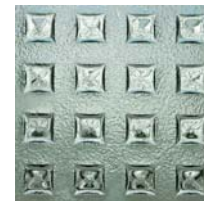
SK17
MAX. 2100mm x 3100mm



SK18
MAX. 2100mm x 3100mm



SK19
MAX. 2100mm x 3100mm



SK20
MAX. 2100mm x 3100mm



SK22
MAX. 2100mm x 3100mm



SK23
MAX. 2100mm x 3100mm



SK24
MAX. 2100mm x 3100mm



SK26
MAX. 2100mm x 3100mm



SK27
MAX. 2100mm x 3100mm

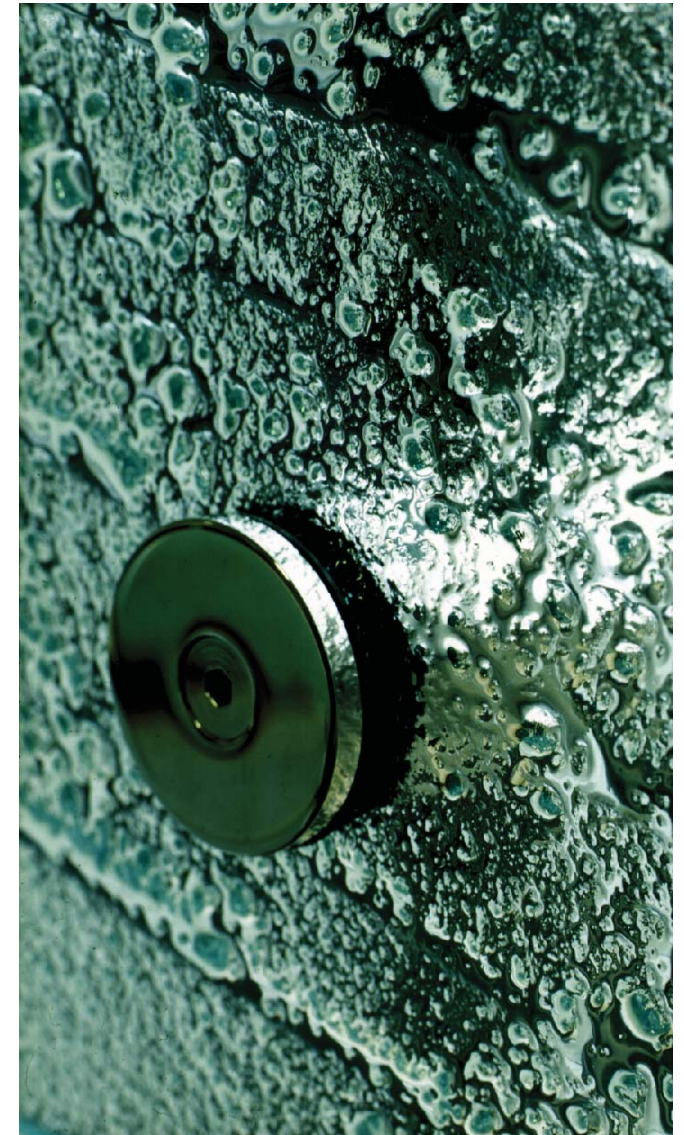


SK28
MAX. 2100mm x 3100mm

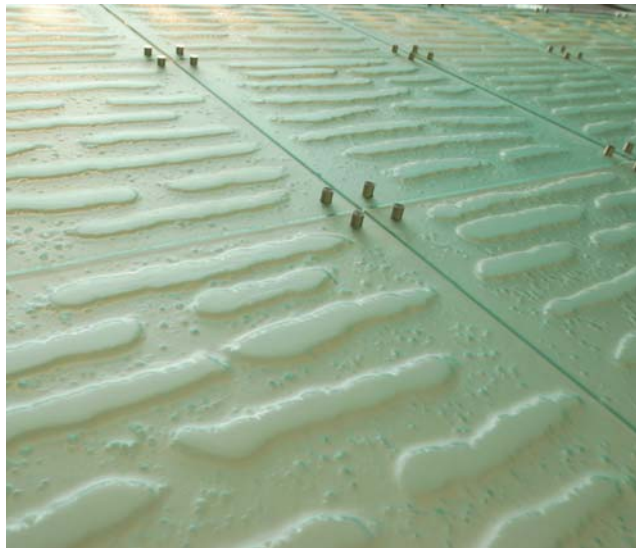
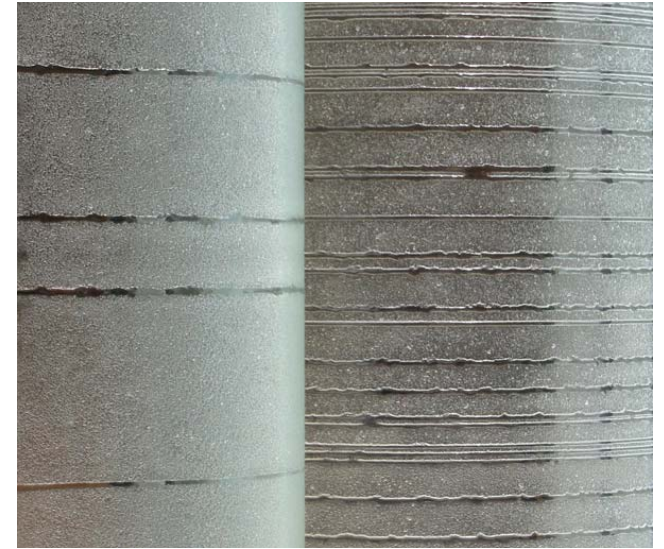
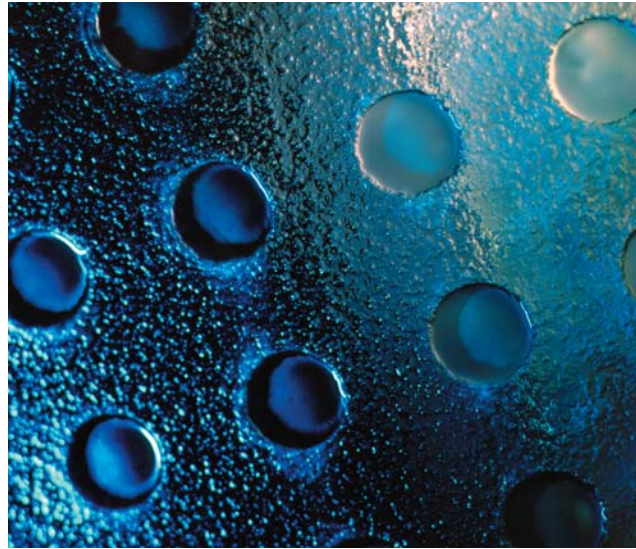
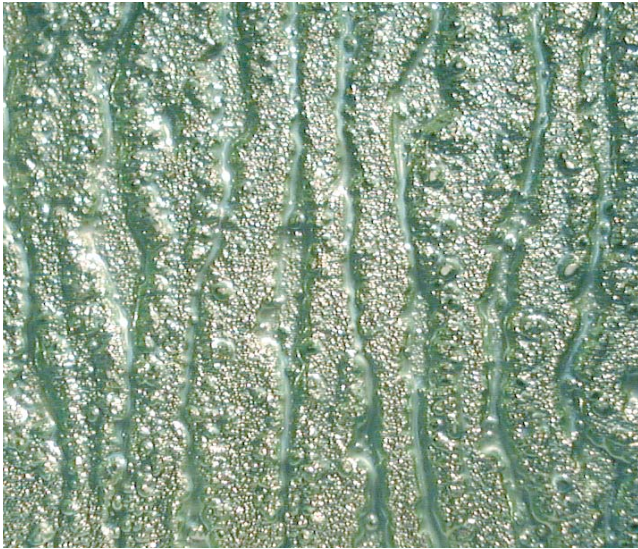
Standard samples available. Bespoke options also available. Please call our Sales Team for further information.

APPLICATIONS

- Cladding
- Partitions
- Features
- Screens
- Balustrades
- Flooring
- Counters
- Furniture
- Signage
- Displays
- Façades
- Sculptures
- Commissions







INTRODUCTION

For over 40 years, Chelsea Artisans & Fusion Glass Designs have developed a creative and commercial approach to the design, manufacture, supply project management and installation of architectural decorative glass.

Many years of experience, extensive technical knowledge and our ability to overcome technical and creative challenges has enabled us to be commissioned on a wide range of major projects in the UK and internationally. The work we have produced is widely admired for both its quality and originality.

PROCESSING

Chelsea Artisans & Fusion Glass Designs provide a full in-house glass processing service including the processing of float, low iron, mirrored and back-painted glass in 4mm-25mm thicknesses.

DESIGN

If the standard range of products does not fulfil a project's requirements, our in-house Design Service is available to provide bespoke solutions:

- Colour matching to RAL, Pantone or Dulux Trade references
- Patterns
- Textures
- Full artwork to client's brief.

SAFETY & STANDARDS

All glass produced by Chelsea Artisans & Fusion Glass Designs:

- Conforms to BS 6206, BSEN 12600 and required international safety glass standards
- Can be combined with fire rated glass to specification
- Can be integrated into insulated/double glazed units.

INSTALLATION

Chelsea Artisans & Fusion Glass Designs offer a project management and installation service throughout the UK.

APPLICATIONS

These include but are not limited to the following:

- Cladding
- Partitions
- Screens
- Canopies
- Flooring
- Stair treads
- Balustrades
- Doors
- Signage
- Reception desks
- Furniture
- Features
- Commissions

DIAMOND SYSTEM

The renowned and unique range of patented products that set the standard for impact resistance and safety using annealed glass. Tested to withstand the severest impact and also to resist explosive blast, Diamond System products also enhance the versatility of glass and provide designers and architects with greater scope to explore new applications.

DIAMOND DÉCOR®: Coloured or digitally printed panels.

DIAMOND DÉCOR® SATINOVO: Coloured panels with satin acid etched finish to front face.

DIAMOND MIRROR®: High quality clear silver or tinted mirror.

DIAMOND MIRROR® SATINOVO: High quality clear silver or tinted mirror with satin acid etched finish to front face.

These products can be tailored to clients' requirements:

- Range of surface finishes available
- Cut-outs, drill holes, countersunk holes
- Large panel sizes available
- Impact resistant to BS 6206 Class A and shatterproof
- Full range of polished/anodised/coloured edge trims available.

FUSION GLASS : KILN FORMED

With an extensive kiln cast glass facility, we are able to provide a wide range of standard and bespoke kiln formed products.

TEXTURED & PATTERNED: Glass is heated to form over refractory moulds.

fbloc®: Monolithic fused glass block.

rbloc®: Fused recycled glass which gives it a rich, organic and crystalline structure.

These products can be tailored to a client's requirements:

- Curved to a radius
- Cut to complex shapes
- Toughened or laminated
- Range of applied surface finishes and colours available.

FUSION GLASS : SURFACE DECORATION

Surface decoration involves more traditional forms of glass decorating methods. These can be applied to toughened, laminated, kiln formed and curved glass in various effects which can be layered and have colour or mirror applied.

SANDBLAST: Effects range from simple frosting and etching to more complex deep-carved 3-dimensional work.

SCREEN PRINT: Patterns or graphics printed onto glass in hard wearing UV-resistant frit enamel colours which fuse to the glass through the toughening/tempering process.

FUSION GLASS : LAMINATE

An ideal product for use in structural, acoustic and decorative applications as the process allows for a wealth of possibilities. As well as the PVB (polyvinyl butyl) or EVA (ethylene-vinyl acetate) interlayer, other materials can be laminated between glass sheets. Our standard range of products include:

COLOUR LAMINATE: Opaque & transparent coloured interlayers.

MESH LAMINATE: Metal mesh in various colours and patterns.

FABRIC LAMINATE: Fabrics in various colours, textures and patterns.

DIGITAL PRINT LAMINATE: Digitally printed high-resolution image interlayer.

Processing options:

- Flat sheets
- Curved to a radius
- Annealed or toughened glass of any thickness can be used to create safety glass.

DIMENSIONS

DIAMOND DÉCOR® & DIAMOND MIRROR®

Maximum panel size = 1150mm/1200mm x 3000mm

Thicknesses = 6mm, 8mm, 10mm, 12mm, 15mm, 18mm, 19mm, 25mm

KILN FORMED SHEET

Maximum panel size = 3100mm x 2100mm

Thicknesses = 6mm, 8mm, 10mm, 12mm, 15mm, 19mm, 25mm
(also available as laminates)

fbloc®

Maximum panel size = Dependant on glass thickness

Thicknesses = 50mm - 130mm (130mm in fused cast blocks)

rbloc®

Maximum panel size = 1200mm x 2000mm

Thicknesses = 20mm, 25mm (additional thicknesses on request)

SANDBLASTED GLASS

Maximum panel size = 3210mm x 5500mm

LAMINATED GLASS

Maximum panel size = 2100mm x 4700mm

Thicknesses = 10mm, 14mm (additional thicknesses on request)

FOR MORE INFORMATION PLEASE VISIT OUR WEBSITE
OR CONTACT OUR SALES & TECHNICAL TEAM.