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PRODUCT MANUAL



FABRIC LAMINATE GLASS

Fabric laminating gives you the opportunity to encapsulate a rich selection of fabrics within protective glass layers.

The beauty, colour and texture of regular woven cloth, delicately constructed textiles or printed fabrics are protected when combined with the structural strength and practicality of glass. Please see our standard range of fabrics on pages 04-05.

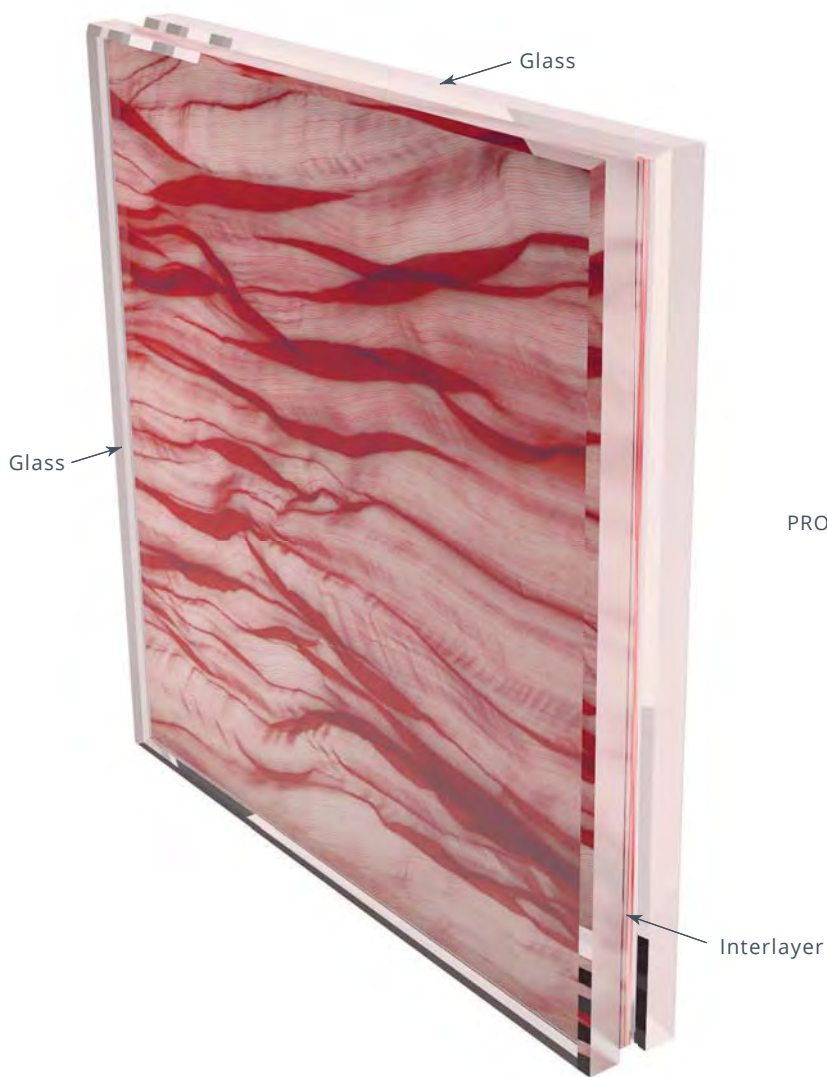
An ideal product for use in structural, decorative and acoustic applications as the process allows for a wealth of possibilities for a wide range of applications including screens, partitions and cladding.

Laminated glass comprises of two or more layers of glass which are bonded together with an interlayer using heat and pressure. As well as this PVB (polyvinyl butyl) or EVA (ethylene-vinyl acetate) interlayer, other materials such as coloured interlayers, fabrics, metal meshes and digital prints can be included for a myriad of possibilities.

Laminating can also be combined with other decorative glass products and finishes such as sandblasting, colour coating and mirror backing to further enhance the design.

Bespoke processing options include shaping, drill holes, notches, water jet cut-outs and curving the glass to a radius.

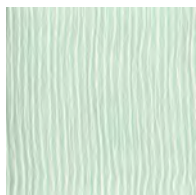




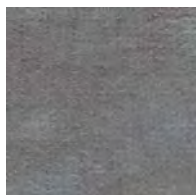
RENDERED VISUAL

- SPECIFICATION:** Available as annealed or toughened (tempered) glass to comply with BS EN 12600, BS 6206 Class A or required national safety standard.
- MAX. PANEL SIZE:** Varies - please see Product Data Sheets for more information.
- THICKNESS:** 4+4mm (nominal overall thickness 10mm)
 6+6mm (nominal overall thickness 14mm)
 Also available in a combination of other glass thicknesses
- GLASS OPTIONS:** Low iron (crystal clear) - as standard
 Float Glass (slight green tint)
 Mirror backed
- EDGE OPTIONS:** Polished all round (PAR)
 Arrised all round (AAR)
 Ground all round (GAR)
- SURFACE FINISHES:** Clear (standard) or sandblast.
- 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:** +/- 2mm (glass size)
- COLOURS:** Please see Fabric Laminate Guide for options.
- QUALITY & FINISH:** Fabrics are woven products and by their nature may have slight variations or irregularities in the weave depending on fabric type. Every attempt will be made during the laminating process to minimize the visual impact of such imperfections and maintain a consistent and even distribution, but it is not possible to guarantee they will be eliminated.
- PLEASE NOTE:** When specifying this product please ensure that the end user is aware of material limitations as Chelsea Artisans cannot accept rejection on this basis as per our T&Cs.
- Some directional variations may occur between panels. On large or complex projects we recommend prototype panels are produced for sign off and final approval.
- A mirrored or opaque backing layer of glass will need to be combined with the fabric when the product is used as cladding or fixed back to a structural substrate.
- Fabric laminate products are not recommended for use in external or wet/damp environments unless fully framed and sealed.
- We advise that particular care must be taken to protect the edges of laminated panels against water ingress. Prolonged contact with water can cause the interlayers used in laminating to deteriorate, both in appearance and adhesion. Edges should also be protected from contact with compounds and products containing mineral or vegetable oils and unsuitable glazing compounds such as acid curing silicones.
- For more information please refer to our Advice Manual (available on request).

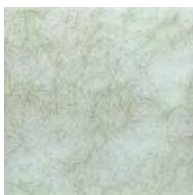
STANDARD FABRICS



SLF2 WHITE
MAX. WIDTH 2950mm



SLF3BZ BRONZE
MAX. WIDTH 1950mm



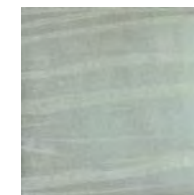
SLF3MO MOUSE
MAX. WIDTH 1950mm



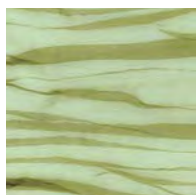
SLF3SI SILVER
MAX. WIDTH 1950mm



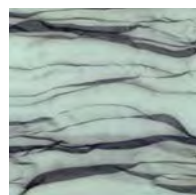
SLF3W WHITE
MAX. WIDTH 1950mm



SLF4CR CREAM
MAX. WIDTH 3100mm



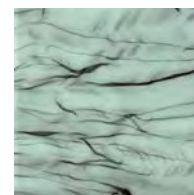
SLF4GO GOLD
MAX. WIDTH 3100mm



SLF4GP GRAPHITE
MAX. WIDTH 3100mm



SLF4RE RED
MAX. WIDTH 3100mm



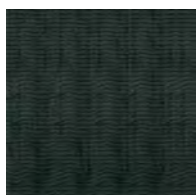
SLF4SL SLATE
MAX. WIDTH 3100mm



SLF4W WHITE
MAX. WIDTH 3100mm



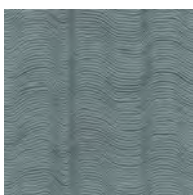
SLF5AU AUBERGINE
MAX. WIDTH 1470mm



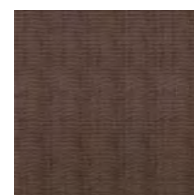
SLF5GP GRAPHITE
MAX. WIDTH 1470mm



SLF5IV IVORY
MAX. WIDTH 1470mm



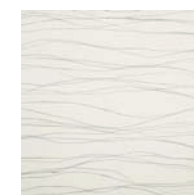
SLF5SI SILVER
MAX. WIDTH 1470mm



SLF5TA TABAC
MAX. WIDTH 1470mm



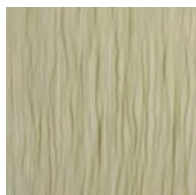
SLF5W WHITE
MAX. WIDTH 1470mm



SLF6NU NEUTRAL
MAX. WIDTH 1250mm



SLF7BK BLACK
MAX. WIDTH 1250mm



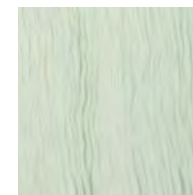
SLF7GO GOLD
MAX. WIDTH 1250mm



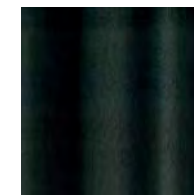
SLF7GY GREY
MAX. WIDTH 1250mm



SLF7RE RED
MAX. WIDTH 1250mm



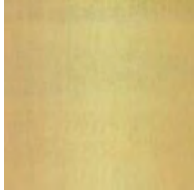
SLF7W WHITE
MAX. WIDTH 1250mm



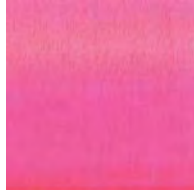
SLF8BK BLACK*
MAX. WIDTH 1100mm

Standard samples available. More colour & size options available in some products. Please call our Sales Team for further information. *Mirror backed as standard.

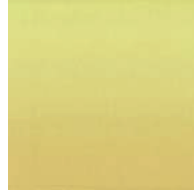
STANDARD FABRICS



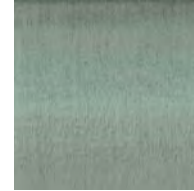
SLF8BZ BRONZE*
MAX. WIDTH 1100mm



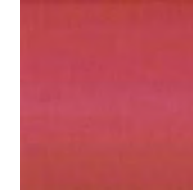
SLF8FU FUSCHIA*
MAX. WIDTH 1100mm



SLF8GO GOLD*
MAX. WIDTH 1100mm



SLF8GY GREY*
MAX. WIDTH 1100mm



SLF8RE RED*
MAX. WIDTH 1100mm



SLF9GY GREY
MAX. WIDTH 3250mm



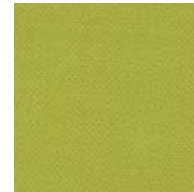
SLF9LI LIME
MAX. WIDTH 3250mm



SLF9RE RED
MAX. WIDTH 3250mm



SLF9SB SOFT BLUE
MAX. WIDTH 3250mm



SLF9YE YELLOW
MAX. WIDTH 3250mm



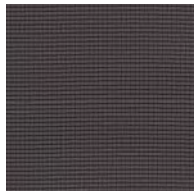
SLF9W WHITE
MAX. WIDTH 3250mm



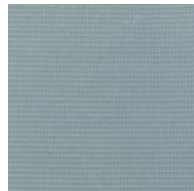
SLF10CO COPPER
MAX. WIDTH 1350mm



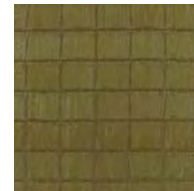
SLF10SI SILVER
MAX. WIDTH 1350mm



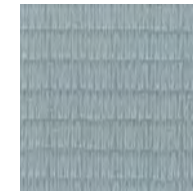
SLF11BZ BRONZE
MAX. WIDTH 2950mm



SLF12SI SILVER
MAX. WIDTH 2950mm



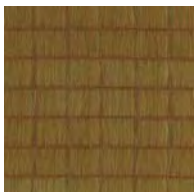
SLF13BM BAMBOO
MAX. WIDTH 2950mm



SLF13ME MEDITATION
MAX. WIDTH 2950mm



SLF13OC ORCHID
MAX. WIDTH 2950mm



SLF13TI TILD
MAX. WIDTH 2950mm

Standard samples available. More colour & size options available in some products. Please call our Sales Team for further information. *Mirror backed as standard.

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.