Colour laminated glass is very similar to clear laminated glass but with the addition of a coloured interlayer. These allow for a rich palette of colour permutation, ranging from subtle transparent and translucent colours to opaque.

Our Colour Laminates are manufactured using low iron glass as standard although also available in specialist glasses in a variety of body tints (blue, bronze and grey). The type and thickness of the glass will have an effect on the colour chosen.

Please see our standard range of colours shown on page 4.

An ideal product for use in structural and decorative 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 kiln forming, sandblasting and colour coating to further enhance the design.

Bespoke processing options include shaping, drill holes, notches, waterjet cutouts and curving the glass to a radius.
FUSION GLASS : COLOUR LAMINATE

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: 2100mm x 4700mm

THICKNESS: 4mm+4mm (nominal overall thickness 10mm)
6mm+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
Body Tinted

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

SURFACE FINISHES: Clear (standard), sandblast or acid etch.

APPLIED FINISHES: Opaque 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)

PLEASE NOTE: Colour 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).
FUSION GLASS : COLOUR LAMINATE

STANDARD COLOUR LAMINATES

SLCW1 WHITE (OPAQUE) MAX. WIDTH 2100mm
SLCW2 WHITE (75% OPACITY*) MAX. WIDTH 2100mm
SLCW3 WHITE (50% OPACITY*) MAX. WIDTH 2100mm
SLCW4 WHITE (25% OPACITY*) MAX. WIDTH 2100mm

SLCR1 DEEP RED MAX. WIDTH 2100mm
SLCR2 MID RED MAX. WIDTH 2100mm
SLCR3 BRIGHT RED MAX. WIDTH 2100mm
SLCR4 LIGHT RED MAX. WIDTH 2100mm

SLCO1 DARK ORANGE MAX. WIDTH 2100mm
SLCO2 DEEP ORANGE MAX. WIDTH 2100mm
SLCO3 MID ORANGE MAX. WIDTH 2100mm
SLCO4 LIGHT ORANGE MAX. WIDTH 2100mm

SLCY1 DEEP YELLOW MAX. WIDTH 2100mm
SLCY2 MID YELLOW MAX. WIDTH 2100mm
SLCY3 BRIGHT YELLOW MAX. WIDTH 2100mm
SLCY4 LIGHT YELLOW MAX. WIDTH 2100mm

SLCG1 DEEP GREEN MAX. WIDTH 2100mm
SLCG2 MID GREEN MAX. WIDTH 2100mm
SLCG3 BRIGHT GREEN MAX. WIDTH 2100mm
SLCG4 LIGHT GREEN MAX. WIDTH 2100mm

SLCB1 DEEP BLUE MAX. WIDTH 2100mm
SLCB2 MID BLUE MAX. WIDTH 2100mm
SLCB3 BRIGHT BLUE MAX. WIDTH 2100mm
SLCB4 LIGHT BLUE MAX. WIDTH 2100mm

SLCP1 DEEP PURPLE MAX. WIDTH 2100mm
SLCP2 MID PURPLE MAX. WIDTH 2100mm
SLCP3 BRIGHT PURPLE MAX. WIDTH 2100mm
SLCP4 LIGHT PURPLE MAX. WIDTH 2100mm

SLCGY1 DEEP GREY MAX. WIDTH 2100mm
SLCGY2 MID GREY MAX. WIDTH 2100mm
SLCGY3 BRIGHT GREY MAX. WIDTH 2100mm
SLCGY4 LIGHT GREY MAX. WIDTH 2100mm

SLCBL BLACK (OPAQUE) MAX. WIDTH 2100mm

Standard samples available. Please call our Sales Team for more information. *Guideline opacity level only.
APPLICATIONS

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

Image courtesy of Tree Couture
FUSION GLASS: COLOUR LAMINATE
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
• Furniture
• Features
• Commissions

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.

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.

DIMENSIONS
DIAMOND DÉCOR® & DIAMOND MIRROR®
Maximum panel size = 1150mm/1200mm x 3000mm
Thicknesses = 6mm, 8mm, 10mm, 12mm, 15mm, 18mm, 19mm, 25mm

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.

KILN FORMED SHEET
Maximum panel size = 3100mm x 2100mm
Thicknesses = 6mm, 8mm, 10mm, 12mm, 15mm, 19mm, 25mm
(Also available as laminates)

SANDBLASTED GLASS
Maximum panel size = 1200mm x 2000mm
Thicknesses = 20mm, 25mm (additional thicknesses on request)

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.

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

+44 (0) 20 8665 0558
info@chelsea-fusion.com
www.chelsea-fusion.com
#Chelsea-Fusion