



CHROMATICS SAFETY GLASS

DESCRIPTION

Chromatics safety glass is a laminate of glass, colour layer and aluminium. These components are bonded at a molecular level to create a unique composite which is durable, fully opaque, cuttable, lightweight and safe. Chromatics safety glass is shatterproof and retains integrity even if damaged by sharp or soft body impact. It is available in any colour or printed with an image supplied by the client; panels can be exactly matched to corporate colours, and branding and signage can be printed within the colour layer.

USES

- Plain colour sheets can be held in stock then cut and edged as required for architectural, public sector, retail, commercial or domestic use.
- Edged panels can be used for interior and exterior cladding and in rainscreen systems.
- Two Chromatics panels back to back form a high-performance laminate that can be used for balustrades, partitions, etc.
- As a component part of spandrels, monolithic panels, DGUs and IGUs.
- Printed Chromatics can be used for corporate branding, signage, information boards etc.



CHARACTERISTICS

- Shatterproof - if broken, remains safe, intact and in place
- Not toughened glass so not susceptible to catastrophic nickel sulphide breaks - no heat soaking necessary
- Any RAL Design, RAL Classic or BS colour - consistent, replicable and UV stable
- Print - accurate reproduction of high-definition digital images and text as fine as 2pt
- Flawless finish - highly reflective and optically flat - no roller wave
- No pin-holes and totally opaque
- Lightweight- half the weight of standard laminated glass
- Durable
- Cuttable
- Can be structurally bonded with no show-through
- Low environmental impact- made entirely from renewable and recyclable materials
- Contains no heavy metals or toxic elements
- Any orientation
- Easy to maintain
- Safe and strong- 6mm Chromatics is as strong as 12mm conventional laminated glass

TECHNICAL DATA

Thickness	4mm or 6mm
Weight	4mm: 10.32kg/m ² , 6mm: 15.32kg/m ²
Max. production sheet	4000 x 2600mm
Vapour/solvent barrier	Aluminium
Thermal insulation	U=4.11W/ m ² K
Thermal safety	To architectural requirements
Impact resistance	BS EN 12600 3(B)3 (When fixed within 70mm of, or bonded to, a rigid material, Class 1(B)1 is achieved)
Laminate integrity	Far exceeds BS EN 1542
Fire rating	N/A - non-combustible
Light transmittance	Zero
Bonding approvals	Sika, Dow Corning
Fixing adhesives	Silicone, polyurethane, polysulphide
Fixing methods	Traditional glazing and cladding systems plus structural bonding and invisible fix

FEEDSTOCK

Chromatics safety glass can be manufactured incorporating most forms of clear float, low iron, body tinted, self-cleaning, many reflective and some rolled patterned glasses, and non-reflective first surface glass.

CE Marks

Where the feedstock of Chromatics is CE marked, the resultant end product will comply with the glass processor's CE rating.

CUTTING & EDGING

Hand cutting: the aluminium is cut with a knife and the glass is then cut using a conventional glass cutter.

Machine cutting: CNC and water-jet cutting machines.

Laminated glass cutting tables may be used incorporating a knife accessory to score the foil.

Edges are finished with a polished arris.

Cut-outs may be undertaken with water-jet or diamond routers.

FIXING & HANDLING

All standard forms of glass framing may be used, including lift-up, drop-in trims and glazing furniture.

May also be used in structurally bonded rainscreen and invisible fix systems.

Please see our storage and handling guidelines.

ENVIRONMENTALLY FRIENDLY

Chromatics is made entirely from recyclable and renewable resources, using a low energy process which creates no harmful by-products.

ARCHITECTURAL SPECIFICATION

For architectural specifications, see our website.

For more details about any of the above, including test results and information on handling, storage, installation and maintenance, please visit our website.

THE GLASS WALL COMPANY

LIGHTWEIGHT SHATTERPROOF SAFETY GLASS

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