

A photograph of a modern building with a curved, glass-enclosed walkway or bridge. The structure is supported by a complex network of white metal beams. The sky is blue with some clouds. The building's facade is made of glass panels held together by a metal frame.

STRUCTURAL GLASS

The vital component in distinctive contemporary architecture

Dellner-Romag specialise in the design and manufacture of bespoke structural glass that is used in modern architecture worldwide. Using advanced processing methods at our County Durham factory the glass we produce can be designed in house to take on significant structural loads.

Glass for structural applications is constructed of two or more layers of glass. These are laminated together using special interlayers to create a composite which is both strong and safe. Dellner-Romag can laminate using a range of interlayers including PVB, EVA and ionoplast. Our expertise in this manufacturing process has seen us create structural walk on glass floors, glazed walls, structural support beams and frameless glass roofs.

With Dellner-Romag's advanced state of the art machinery, we can create complex structural shapes, and can include a variety of drill hole configurations to suit point-fix inserts for seamless architectural designs. Our advanced printing capability means we can create custom non-slip patterns for glass flooring. Dellner-Romag have the technical skills and experience to design and produce structural glass specifically for your application.

KEY FEATURES

- Structural load bearing
- Frameless design for a flush finish
- Suitable for the entire structure of a building

TYPICAL APPLICATIONS

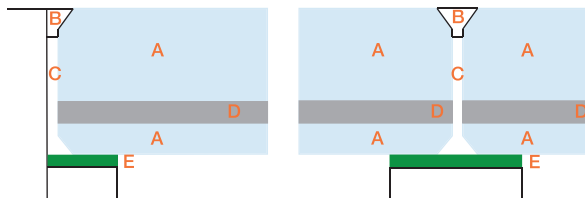
- Glass floors
- Walls
- Ceilings and atriums
- Curtain walling
- Glass box extensions
- Bridges and balconies
- Elevators
- Floor lights
- Balustrades

OPTIONS

Dellner-Romag structural glass can be combined with a number of optional features to accommodate almost any specialised requirements. Optional features include:

- Double/Triple glazed
- Curved
- Printed
- Tinted
- Anti-reflective
- Anti-slip
- Solar Control
- Low E laminate
- Coloured interlayers
- Acoustic glass
- Bullet resistance
- Physical attack resistance
- Heat soak testing
- Coloured Vanceva® interlayers for aesthetic impact

TYPICAL GLASS FLOOR CONSTRUCTION



- A Glass
- B Sealant
- C Rubber strip
- D PVB/ionoplast
- E Neoprene or similar



TYPICAL POINT-FIXING



- A Glass
- B Interlayer
- C Fixing



TESTING

Dellner-Romag take quality standards and product testing very seriously. Our structural glass is independently verified to European Standards.



Dellner-Romag is certified to ISO 9001 and holds both ISO 14001 and ISO 18001 certification.

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