



## Typical Specification for Glass Floor and Associated Steelwork

- 1. Glass construction** Three layers of heat strengthened glass laminated together using two layers of polyvinyl butyrate, as supplied by Eckelt Glas or equivalent. Second layer of polyvinyl butyrate laminate to be provided as a white/clear interlayer dependent on optical effect required.
  - 2. Glass thickness** Typically 33mm or 24mm subject to final design by glass supplier and final specified glass spans.
  - 3. Percentage Frit** Top surface of uppermost sheet to have 25-50% coverage of Eckelt Litefloor ceramic anti-slip frit in standard pattern or equivalent. For external use or for wet areas a minimum 50% frit is recommended.
  - 4. Colour of Frit** EW/5W or other colours from the standard range.
  - 5. Slip resistance** Slip resistant treatment to top surface to provide minimum SRV (slip resistance value) of 110 in dry conditions and a minimum SRV of 60 in wet conditions in accordance with BS 8204 Part 3:1993 Section C. The wear-resistance of the coating complies with Report number 23073 of the "Austrian Lacquer Institute" in Vienna relating to equivalent wear-resistance of a trade standard floor tile.
  - 6. Design Loading** Glass Floor to be designed to take 5.0kN/m<sup>2</sup> in accordance with the requirements of BS 6399 or to meet project specific requirements.
  - 7. Sealant** Seals between panels to be constructed using two part polysulphide or heavy duty silicone sealant in standard colour (white, translucent, grey or black)
  - 8. Support** Glass to be supported on all four sides by steelwork designed to deflect no more than L/500 under the specified loading.  
Minimum edge support for glass panels to be 20mm-30mm.
  - 9. Bedding strip** Bedding strip between glass and supporting steelwork to be 60-80 shore hardness continuous silicone strip in standard colour (white, translucent, or black). Minimum bedding thickness 6mm.
  - 10. Steelwork** Perimeter steelwork to be 50 x 50 x 5 angle in mild steel.  
Radial support steelwork to be 50 x 50 structural tee or similar R.H.S. subject to design parameters.
- Glass Manufacturer:** Bruder Eckelt & Co, Glastechnikgesellschaft m.b.H., Resthofstrasse 18  
4400 STEYR . AUSTRIA
- Supplier/Installers:** Roger Wilde Ltd., Chareau House, 1 Miles Street, Oldham. OLI 3NW
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