

******* Verteka PSF has been upgraded in 2009 to allow section thickness to 350 mm**

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| Dimensions & weights | External panel thickness Maximum storey height Unfilled panel weight | 200 to 350 mm 4500 mm 90 Kg/m ² |
| Structural properties ⁽¹⁾ | Compressive strength Tensile strength In-plane shear strength Axial stiffness (compression) | 3200 kN/m 800 kN/m 200 kN/m 4000 MN/m ⁽²⁾ |
| Fire rating (Part L) | Insulation Integrity Structural Surface spread of fire | > 120 minutes > 120 minutes > 120 minutes ⁽³⁾ Class 0 |
| Acoustic (Part E) | Filled weight (for design purposes) | 450 Kg/m ² ⁽⁴⁾ |
| Attachments & openings | M20 grade 8.8 bolts (shear & tension) Shelf angles & fin plates Large penetrations (> 150 mm) Small penetrations (< 150 mm) Door openings – Structural lintel Other structural connections | 40 kN ⁽⁵⁾ Attach using M20 bolts Factory attached by Verteka Studs to avoid penetrations Penetrations to avoid studs Lintel ≥ 600 mm deep Embedment Plates Kwik-a-strip etc... |
| Stairs and Landings | PSF accepts; pre-cast, Insitu or steel staircase and landing systems. | Site or factory attached shelf angles or Kwik-a-strip type connections |

Notes; (1) Verteka PSF properties for 200 mm section thickness. Larger section thickness have proportionally similar properties
 (2) per metre run of wall
 (3) for most building cores, detailed design to confirm
 (4) Verteka PSF properties exceed Building Regulations Part E requirements of 415 Kg/m²
 (5) bolt group load factors apply



Verteka PSF elements have been rigorously designed with capacities confirmed by independent UKAS accredited testing facilities.

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