

Ls90 partitioning system

Fire Performance Summary (BS476: Part 22)



Construction / Combination	Panel Assy Combination	Full height doorset 30 min	To door head with panel above 30min	Solid module 60min	30 min Perf. Cert No.	60 min Perf. Cert No.
Elegance Solid - 1200mm wide module (maximum)						
- Steel Faced Plasterboard	same each side	✓(2.85)	✓(4.0)	✓(4.0)	Ls90 / F8 30 min	Ls90 / F1 70 min
- Steel Faced Plasterboard with split panel	same each side	✓(2.85)	✓(4.0)	✓(4.0)	Ls90 / F11 30 min	Ls90 / F5 30 min
- Pre-Vinyled Plasterboard	same each side	✓(2.85)	-	-	Ls90 / F4 30 min	-
- Veneered MDF Panel	same each side	✓(2.85)	✓(4.0)	✓(2.85)	Ls90 / F9 30 min	Ls90 / F6 60 min
- Laminated MDF Panel	same each side	✓(2.85)	✓(4.0)	✓(2.85)	Ls90 / F9 30 min	Ls90 / F6 60 min
- Pre-Vinyled MDF Panel	same each side	✓(2.85)	✓(4.0)	✓(2.85)	Ls90 / F9 30 min	Ls90 / F6 60 min
- Steel Faced & Plasterboard Panel	one each side	✓(2.85)	-	-	see individual panel perf.	-
- Steel Faced & Veneered Panel	one each side	✓(2.85)	✓(4.0)	✓(2.85)	Ls90 / F8 30 min	Ls90 / F7 60 min
- Veneered Panel & Plasterboard Panel	one each side	✓(2.85)	-	-	see individual panel perf.	-
- Laminate Panel & Plasterboard Panel	one each side	✓(2.85)	-	-	see individual panel perf.	-
- MFC Faced Partical Board Panel	one each side	✓(2.85)	-	✓(2.85)	Ls90 / F- 30 min	Ls90 / F12 60 min
Reflections Glazed - Flush triple, hung frame						
- Dado / Door head	-	-	✓(4.0)	-	Ls90 / F- 30 min	-
- Skirt / Door head	-	-	✓(4.0)	-	Ls90 / F- 30 min	-
- Dado / Full height	-	-	✓(2.85)	-	Ls90 / F- 30 min	-
- Full Height	-	✓(2.85)	-	-	Ls90 / F2 30 min	-
Single Door - Aluminium 1 piece door frame						
- Veneered or Laminate full height door	-	✓(2.85)	-	-	Ls90 / F13 30 min	-
- Veneered or Laminate 2200mm door head	-	-	✓(2.68 to 4.0)	-	Ls90 / F- 30 min	-
- Veneered or Laminate 2500mm door head	-	-	✓(2.98 to 4.0)	-	Ls90 / F- 30 min	-
- Veneered or Laminate 2800mm door head	-	-	✓(3.28 to 4.0)	-	Ls90 / F- 30 min	-
- 40mm GRP Hinged / Sliding 2200mm door hd	-	-	✓(2.68 to 4.0)	-	Ls90 / F- 30 min	-
- 40mm GRP Hinged 2500mm door head	-	-	✓(2.98 to 4.0)	-	Ls90 / F- 30 min	-
Single Door - Aluminium adjustable 2 part door frame						
- Veneered or Laminate full height door	-	✓(2.85)	-	-	Ls90 / F3 30 min	-
- Veneered or Laminate 2200mm door head	-	-	✓(2.68 to 4.0)	-	Ls90 / F- 30 min	-
- Veneered or Laminate 2500mm door head	-	-	✓(2.98 to 4.0)	-	Ls90 / F- 30 min	-
- Veneered or Laminate 2800mm door head	-	-	✓(3.28 to 4.0)	-	Ls90 / F- 30 min	-
- 40mm GRP Hinged / Sliding 2200mm door hd	-	-	✓(2.68 to 4.0)	-	Ls90 / F- 30 min	-
- 40mm GRP Hinged 2500mm door head	-	-	✓(2.98 to 4.0)	-	Ls90 / F- 30 min	-
Double Door - Aluminium 1 piece door frame						
- Veneered or Laminate full height door	-	✓(2.85)	-	-	Ls90 / F- 30 min	-
- Veneered / Laminate 2200mm door head	-	-	✓(2.68 to 4.0)	-	Ls90 / F- 30 min	-
- Veneered / Laminate 2500mm door head	-	-	✓(2.98 to 4.0)	-	Ls90 / F- 30 min	-
- Veneered or Laminate 2800mm door head	-	-	✓(3.28 to 4.0)	-	Ls90 / F- 30 min	-
- 40mm GRP Hinged / Sliding 2200mm door hd	-	-	✓(2.68 to 4.0)	-	Ls90 / F- 30 min	-
- 40mm GRP Hinged 2500mm door head	-	-	✓(2.98 to 4.0)	-	Ls90 / F- 30 min	-
Double Door - Aluminium adjustable 2 part door frame						
- Veneered or Laminate full height door	-	✓(2.85)	-	-	Ls90 / F- 30 min	-
- Veneered / Laminate 2200mm door head	-	-	✓(2.68 to 4.0)	-	Ls90 / F- 30 min	-
- Veneered / Laminate 2500mm door head	-	-	✓(2.98 to 4.0)	-	Ls90 / F- 30 min	-
- Veneered or Laminate 2800mm door head	-	-	✓(3.28 to 4.0)	-	Ls90 / F- 30 min	-
- 40mm GRP Hinged / Sliding 2200mm door hd	-	-	✓(2.68 to 4.0)	-	Ls90 / F- 30 min	-
- 40mm GRP Hinged 2500mm door head	-	-	✓(2.98 to 4.0)	-	Ls90 / F- 30 min	-

Ls90 partitioning system

Fire Performance Summary (BS476: Part 22)



Construction / Combination	Panel Assy Combination	Full height doorset 30 min	To door head with panel above 30min	Solid module 60min	30 min Perf. Cert No.	60 min Perf. Cert No.
Vision Panel						
- Circular single glazed, st. steel beads, Veneered door	-	✓	✓	-	Ls90 / F- 30 min	-
- Circular single glazed, st. steel beads, Laminated door	-	✓	✓	-	Ls90 / F- 30 min	-
- Single glazed, st. steel beads, Veneered door	-	✓	✓	-	Ls90 / F- 30 min	-
- Single glazed, st. steel beads, Laminated door	-	✓	✓	-	Ls90 / F- 30 min	-
- Single glazed, timber beads, Veneered door	-	✓	✓	-	Ls90 / F- 30 min	-
- Single glazed, timber beads, Laminated door	-	✓	✓	-	Ls90 / F- 30 min	-
- Aluminium Triple glazed, Spring clip, Veneered door	-	✓	✓	-	Ls90 / F- 30 min	-
- Aluminium Triple glazed, Spring clip, Laminated door	-	✓	✓	-	Ls90 / F- 30 min	-
- Observation glazing, timber beads	-	✓	✓	-	Ls90 / F- 30 min	-
Junctions						
- 90 deg. Junction	-	✓ 30min	✓ 30min	✓ 60min	Ls90 / F- 30 min	Ls90 / F- 60 min
- 135 deg. Junction	-	✓ 30min	✓ 30min	✓ 60min	Ls90 / F- 30 min	Ls90 / F- 60 min
- 3 Way Junction	-	✓ 30min	✓ 30min	✓ 60min	Ls90 / F- 30 min	Ls90 / F- 60 min
- Y Junction	-	✓ 30min	✓ 30min	✓ 60min	Ls90 / F- 30 min	Ls90 / F- 60 min
Electrical / Data Outlet Boxes						
- Steel Faced Plasterboard	-	✓	✓	✓	Ls90 / F- 30 min	Ls90 / F- 60 min
- Pre-Vinyled Plasterboard	-	✓	✓	-	Ls90 / F- 30 min	-
- Veneered MDF Panel	-	✓	✓	✓	Ls90 / F- 30 min	Ls90 / F- 60 min
- Laminated MDF Panel	-	✓	✓	✓	Ls90 / F- 30 min	Ls90 / F- 60 min
- Powder Coated MDF Panel	-	✓	✓	✓	Ls90 / F- 30 min	Ls90 / F- 60 min
- Pre-Vinyled MDF Panel	-	✓	✓	✓	Ls90 / F- 30 min	Ls90 / F- 60 min
Bought In Products <i>Before including these products the test evidence must be made available for approval to the Technical Department</i>						
- Grills	-	✓ 30min	✓ 30min	✓ 60min		
Spread of Flame (BS476: Part 7)						
- Powder Coated Steel Faced Plasterboard	-	-	-	-	Ls90 / FPSF2	Class 1
- Pre-Vinyled Plasterboard	-	-	-	-	Ls90 / FPSF4	Class 1
- Veneered MDF Panel	-	-	-	-	Ls90 / FPSF3	Class 1
- Laminated MDF Panel	-	-	-	-	Ls90 / FPSF6	Class 1
- Powder Coated MDF Panel	-	-	-	-	Ls90 / FPSF5	Class 1
- Pre-Vinyled MDF Panel	-	-	-	-	Ls90 / FPSF7	Class 1
Fire Propagation (BS 476: Pt 6)						
- Powder Coated Steel Faced Plasterboard	-	-	-	-	Ls90 / FPSF2	Class 0
- Pre-Vinyled Plasterboard	-	-	-	-	Ls90 / FPSF4	Class 0
- Veneered MDF Panel	-	-	-	-	Ls90 / FPSF3	Class 0
- Laminated MDF Panel	-	-	-	-	Ls90 / FPSF6	Class 0
- Powder Coated MDF Panel	-	-	-	-	Ls90 / FPSF5	Class 0
- Pre-Vinyled MDF Panel	-	-	-	-	Ls90 / FPSF7	Class 0

✓ Indicates Availability Status ● Summary issued ● Data available Summary to be issued

Solid

Panels (full height)
Split panel at 2200mm
Split panel at 2500mm
Split panel at 2800mm

Floor to ceiling height

to 2850mm
2680 to 4000mm
2980 to 4000mm
3280 to 4000mm

Doorset

Doorframe (full height)
Doorframe to 2200mm (split panel)
Doorframe to 2500mm (split panel)
Doorframe to 2800mm (split panel)

Floor to ceiling height

to 2850mm
2680 to 4000mm
2980 to 4000mm
3280 to 4000mm

- (a) Split panel option available with 1st (*bottom panel*) height at either 2200mm, 2500mm or 2800mm for both 30 and 60 minute performance.
(b) 480mm minimum overpanel on split panel (including head channel).

