

Ls90 Partitioning Systems Acoustic & Structural Performance Summary

SHEET 1 OF 1



Construction / Combination	Panel Position	Acoustic Perf. (BS EN ISO 140.3)	Acoustic Perf. Cert No.	Structural Duty (BS 5234)	Structural Duty Cert No.
Elegance Solid - 1200mm wide module (acoustic and fire performance unless otherwise stated)					
- Steel Faced Plasterboard Panel	same each side	45dB (Rw)	Ls90 / S1	Severe	Ls90 / STR1
- Steel Faced Plasterboard with Head / Base Inserts	same each side	50dB (Rw)	Ls90 / S5	Severe	Ls90 / STR1
- Pre-Vinyled Plasterboard Panel	same each side	42dB (Rw)	Ls90 / S2	Medium	Ls90 / STR3
- Veneered MDF Panel	same each side	43dB (Rw)	Ls90 / S3	Severe	Ls90 / STR4
- Laminated MDF Panel	same each side	43dB (Rw)	Ls90 / S18	Severe	Ls90 / STR4
- Pre-Vinyled MDF Panel	same each side	43dB (Rw)	Ls90 / S19	Severe	Ls90 / STR4
- MFC Faced Partical Board Panel	same each side	44dB (Rw)	Ls90 / S11		
- Steel Faced & Veneered Panel (30 min fire perf.)	one each side	45dB (Rw)	Ls90 / S7	see same panel each side for panel combination performance	
- Steel Faced & Plasterboard Panel	one each side	43dB (Rw)	Ls90 / S8		
- Veneered Panel & Plasterboard Panel (acoustic perf.)	one each side	43dB (Rw)	Ls90 / S6		
- Laminate Panel & Plasterboard Panel (acoustic perf.)	one each side	43dB (Rw)	Ls90 / S20		
Reflections Glazed - Flush bonded, hung frame					
- Double 2 x 6mm Toughened Glass	one each side	42dB (Rw)	Ls90 / S4	Severe	Ls90 / STR2
- Double 6mm Toughened / 6.4 Stadip Glass	one each side	45dB (Rw)	Ls90 / S12	Severe	Ls90 / STR2
- Triple 2 x 6mm Toughened / 1 x Fire Glass	-	45dB (Rw)	Ls90 / S10	Severe	Ls90 / STR5
Prism Double Glazed - Hung frame					
- Double 2 x 6mm Toughened Glass	one each side	x	Ls90 / S13	Severe	Ls90 / STR6
- Double 6mm Toughened / 6.4mm Laminated Glass	one each side	44dB (Rw)	Ls90 / S14		
- Double 2 x 6.4mm Laminated Glass	one each side	45dB (Rw)	Ls90 / S15		
- Double 6mm Toughened / 6.8 Acoustic Glass	one each side	x	x		
- Double 6.4mm Laminated / 6.8mm Acoustic Glass	one each side	45dB (Rw)	Ls90 / S16		
- Double 2 x 6.8mm Acoustic Glass	one each side	46dB (Rw)	Ls90 / S17		
Single Doorset - 2 part Door Frame					
- 44mm Veneered or Laminate Full Height Door	-	36dB (Rw)	Ls90 / S9	Severe	Ls90 / STR1
- 44mm Veneered or Laminate Door with Overpanel	-	x	x	Severe	Ls90 / STR1
Single Doorset - 1 piece Door Frame					
- 44mm Veneered or Laminate Full Height Door	-	x	x		
- 44mm Double Glazed Door (max 2700mm)	-	x	x		
- 44mm Double Glazed Door with Overpanel	-	x	x	Severe	Ls90 / STR7
<p>● Summary issued ● Data available Summary to be issued x Indicates Data is NOT Yet Available</p>					