

Concrete slab

Acoustic mastic seal

High density white batts

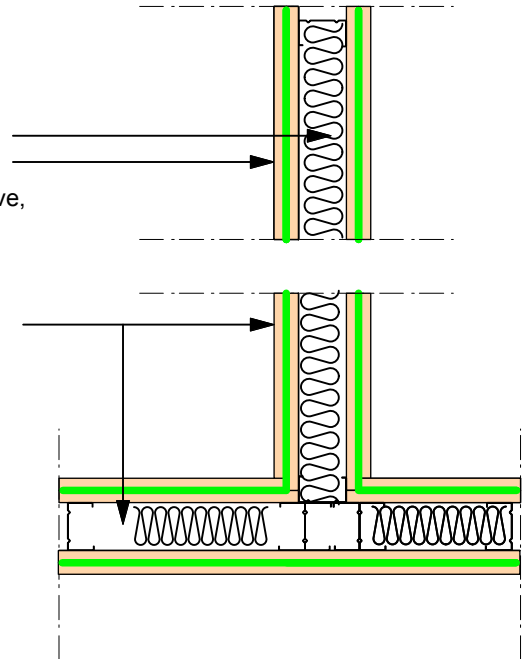
1 x layer Plasterboard,  
1.2mm Acoustica Quietwave,  
1 x layer Plasterboard,

51,64,76,92 studwalls

Skirting

Acoustic mastic seal

Concrete slab



## STEEL STUD SECTIONS

Legend:

SD: Standard plasterboard

FC: Fyrcheck plasterboard

SC: Soundcheck plasterboard

Note :

Gap between ceiling and wall  
to be filled with Bostik Fireban 1 or equal  
in fire rated wall

Fire rated > 50 Rw +ctr walls

>50Rw +ctr walls

Stud mm + plasterboard mm	Wall mm	Acoustic opinion Rw+Ctr	FRL
51-10 SD	94	45 db	-
51-13 SD	106	48 db	-
51-13 FC	106	51 db	-/120/120
51-16 FC	118	53 db	-/120/120
51-10 SC	94	49 db	-
51-13 SC	106	53 db	-
64-10 SD	107	47 db	-
64-13 SD	119	50 db	-
64-13 FC	119	53 db	-/120/120
64-16 FC	131	55 db	-/120/120
64-10 SC	107	51 db	-
64-13 SC	119	55 db	-
76-10 SD	119	48 db	-
76-13 SD	131	51 db	-
76-13 FC	131	54 db	-/120/120
76-16 FC	143	56 db	-/120/120
76-10 SC	119	52 db	-
76-13 SC	131	56 db	-
92-10 SD	135	49 db	-
92-13 SD	147	53 db	-
92-13 FC	147	55 db	-/120/120
92-16 FC	159	57 db	-/120/120
92-10 SC	135	54 db	-
92-13 SC	147	58 db	-

QUIETWAVE SINGLE STUD CONSTRUCTION

QWSS SF01

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