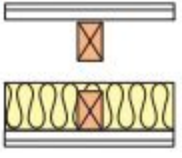
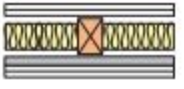
Table 2a - 75mm and 89mm timber stud walls
Solutions to satisfy the requirements of *BS EN 1364-1: 1999 (Non-loadbearing)*

1



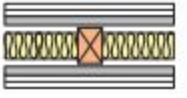
Two separate timber frames spaced 50mm apart, consisting of 89mm x 38mm timber studs at 600mm centres with noggings. Two layers of board each side. 100mm Isover APR 1200 between the studs on one side. Linings as in table.

2



Two layers of board each side of 75mm x 38mm timber studs at 600mm centres with Gypframe RB1 Resilient Bars fixed horizontally to one side at 600mm centres. 50mm Isover APR 1200 in the cavity. Linings as as in table.

3



Two layers of board each side of 75mm x 38mm timber studs at 600mm centres with Gypframe RB1 Resilient Bars fixed horizontally to both sides at 600mm centres. 50mm Isover APR 1200 in the cavity. Linings as in table.

Detail	Partition thickness mm	Board type	Available with ACTIV*air*[1]	Lining thickness mm	Stud size mm	Sound insulation R_w (R_w + Ctr) dB	System reference
60 minutes fire resistance EN							
2	141	SoundBloc	ACTIV*air*	2 x 12.5	75 x 38	56 (48)	A046005
3	157	SoundBloc	ACTIV*air*	2 x 12.5	75 x 38	59 (51)	A046006
1	293	Plank + FireLine		19 + 12.5	89 x 38	63 (51)	A036003

[1] These systems have an ACTIV*air* option available for VOC control to improve indoor air quality. Refer to **section 3** and **section 14** for further details.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to British Gypsum's recommendations. The quoted performances are achieved only if British Gypsum components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with British Gypsum.