

**FOR THE DETERMINATION OF: AIRBORNE & IMPACT NOISE TRANSMISSION****Criteria:** Airborne 45 or Higher, Impact 62 or Lower

No.	System Tested	Base Floor Construction	Impact $L'_{nT,w}$	Airborne $D_{nT,w} (C;C_{tr})$	$D_{nT,w} + C_{tr}$	Pass
1	Bare Floor	150mm thick Block & Beam 300Kg/m <sup>2</sup> + 65mm Screed & Resilient Ceiling	72	53 (-1,-5)	= 48	No Failed on Impact
2	CB/40-60 + 60mm insulation	As above	44	54 (-2,-5)	= 49	Yes
3	Soundcheck C/36	As above	54	53 (-2,-5)	= 48	Yes
4	Bare Floor	150mm Hollow Core 300Kg/m <sup>2</sup> Plank + 65mm Screed & Resilient Ceiling	72	54 (-2,-8)	= 48	No Failed on Impact
5	Impact 8, Below Screed Finish	As above	51	55 (-1,-5)	= 49	Yes
6	Soundcheck C/27	150mm thick Block & Beam 300Kg/m <sup>2</sup> + 65mm Screed & Resilient Ceiling	54	53 (-1,-5)	= 48	Yes

No.	System Tested	Base Floor Construction	Impact $L_{n,w}$	Airborne $R_w (C;C_{tr})$	$R_w + C_{tr}$	Pass
7	Bare Floor	150mm Hollow Core 220Kg/m <sup>2</sup> Plank, no Screed	85	42 (-1,-4)	38	No Failed on Impact & Airborne
8	B-40	As Above	59	49 (-1,-4)	= 45	Yes
9	B-40 + Insulation	As Above	53	54 (-1,-4)	= 50	Yes
10	CB/40-60	As Above	59	49 (-1,-4)	= 45	Yes
11	CB/40-60 + Insulation	As Above	54	53 (-1,-3)	= 50	Yes

The above test data summary's are the results from original testing reports carried out at SRL laboratories.

Items 1 to 6 were carried out in a purpose built rig with flanking for the PFF.

Items 7 to 11 were carried out in their internal test chamber.

**DURABELLA LIMITED**

Unit 9, Oswin Mills, Gaisby Lane, Bradford BD2 1BA  
Tel: 01274 533311 Fax: 01274 533366 Email: durabella@aol.com  
www.durabellaacoustics.com