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Subject: Re: Excellent!

Posted by [PaulW](#) on Thu, 12 Jun 2008 02:00:04 GMT

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The floor is what is known as beam and block, this is a series of reinforced concrete beams (small cavity below) with a cross-section like an upside down 'T'. Between the beams resting on the 'arms' of the T's are concrete blocks (hence the name) and over this is 3 inches of dense foam insulation, followed by seam glued 3/4" tongue and groove chipboard. The walls are cavity block work (from outside to in - 4" brick, 4" air space, but with 2" insulation and a 4" concrete block) with an internal face of 1/2" plaster board held on with random 'blobs' of adhesive with probably about a 3/4" gap where there is no adhesive, this is then plastered over - so as 2 above I suspect. The room itself would appear (based on it's dimensions) to have a modal region between 32 to 177Hz with no multiples but some close clusters in the 60's, 90's and 130's and it's these I feel I need to tackle. I aim to build a 4'x 2'x 4" (WxHxD) panel trap and site this between the speaker, but clear of the wall by about 4 inches, as this is the only easy place to put it - I've got quite a lot packed into this room! I don't know if this will really help, or even if this is the real issue, but the speakers would be more likely to go rather than undertake major remedial work to resolve this issue. Paul

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