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Subject: Damping material

Posted by [rui rocha](#) on Thu, 05 Jul 2007 21:18:47 GMT

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Waht kind of dumping material use use on the pi tower and how????

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Posted by [Wayne Parham](#) on Fri, 06 Jul 2007 02:52:15 GMT

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Use R11 or R13 lining the line the top, one side and the front up to the woofer. You'll also want two pieces of insulation to span the cross-section. These are conveniently placed, resting on cross-braces inside the cabinet. This breaks the cabinet into three partitions, and midrange energy cannot pass through, only bass. The cross-section insulation impedes standing waves from setting up inside the cabinet. Bracing is important in that it keeps panel vibrations to a minimum. It is important that the cabinet not add sound of its own, and you should be able to strike the cabinet with your knuckles and not hear a resonant "drum head" sound. As mentioned above, the braces also serve to hold cross-section dampers, one a third of the way up and another a third of the way down. They should be cross braces or window braces and they should double as a place to hang partitioning pieces of insulation across the cross-section of the cabinet.

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Posted by [rui rocha](#) on Fri, 06 Jul 2007 06:11:39 GMT

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Thanks wayne ,Can you suply a picture when i buy the kit???for no mistakesBest RegardsRR

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Posted by [Shane](#) on Fri, 06 Jul 2007 13:59:22 GMT

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This might help. I put in an extra set of braces.

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Posted by [dB](#) on Sun, 08 Jul 2007 09:17:42 GMT

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You can find this damping materials around. Another equivalent is rock wool (instead of glass). Similar properties of different materials are available like this one, COPOPREN by Recticel of 2cm thickness, a sound barrier/foam available from "Leroy Merlin" that I am going to use this year. Pay attention that the speaker was tuned already by Wayne with the first fiberglass insulation solution. I like also another (to) fluffy material used in sofas and pillows that is Polyester Fiber, available at "Mosqueteiros", etc.(many other places).

Damping stuff alternatives

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