Subject: Speaker Insulation
Posted by Norbert on Fri, 14 Oct 2005 01:42:53 GMT
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I am in the middle of building 2Pi tower speakers and have a question about insulation lining placement. My question is the general consensus on this forum is that one should line only one end of the box in a "live side - dead side" setup. However, when I look at other speaker designs, people tend to line the insulation on all sides of a speaker box. Is there any technical reason for the difference or is this what people have come to accept as a result of experimentation?Thanks,Norbert

Subject: Re: Speaker Insulation
Posted by Wayne Parham on Fri, 14 Oct 2005 05:46:11 GMT
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You want to reduce MF standing waves without changing other characteristics too much. The amount and location of stuffing is very important in some cabinets, less so in others. It depends largerly on cabinet dimensons and passband wavelengths.

Subject: Re: Speaker Insulation
Posted by Shane on Sat, 15 Oct 2005 02:27:44 GMT
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I just finished up a pair of Two Towers, well not finished-as they need veneered yet. I put insulation on one whole side, the top, and the front baffle up to the bottom of the speaker as the plans recommend. Wayne suggested I also put a piece across each brace (I have 2) that was below the Alpha 10. They sounded great from the get-go and keep getting better sounding to me every day.

Subject: Re: Speaker Insulation
Posted by dwkurfma on Tue, 18 Oct 2005 15:06:10 GMT
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High density fiberglass acoustical tile works nice. Flip it "backwards" so the smooth surface can be glued to the box with a nice thick layer of something like PL200. Helps damp the panels and does an outstanding job of soaking up midrange reflections without taking up a lot of volume and the insulation remains very stable afterward.Fiberglass duct board would probably be fine too but

might be a little harder to bond.Dan