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Subject: Mortite on 290 horn  
Posted by [mantha3](#) on Sun, 21 Oct 2012 19:02:19 GMT  
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Wayne,

Do run the Mortite on the 4PI speakers you build for customers? The 4PIs you bring to shows...  
Do these have this on the 290?

I don't have this on mine... curious

Thanks,  
Andy

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Subject: Re: Mortite on 290 horn  
Posted by [Wayne Parham](#) on Mon, 22 Oct 2012 00:29:27 GMT  
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I never apply any damping material to the horns. The bell mode frequency is well below the passband and it is highly damped by the horn's mass, so I don't see any need to damp it further. The plastic is really thick.

That said, it doesn't hurt anything. Lots of our friends here do it, probably as a perfectionist move. I don't see any difference in measurements, but if it makes 'em feel better, there's certainly no harm in doing it.

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Subject: Re: Mortite on 290 horn  
Posted by [mantha3](#) on Mon, 22 Oct 2012 12:39:46 GMT  
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That makes sense. I'll probably leave it alone and maybe down the road give it a try.

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Subject: Re: Mortite on 290 horn  
Posted by [rkeman](#) on Mon, 22 Oct 2012 13:10:53 GMT  
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The now absolute Eminence H290 had hollowed areas that were filled with electrician's putty on my 3 Pi and 6 Pi builds. Adhesive backed 1/2" acoustic foam insulation cut into four roughly triangular shapes were used to cover the remaining flatter areas of the horn flares. The narrow end of the throat (hollows filled with putty) was additionally wrapped circumferentially with a 2 1/2" strip of the same acoustic foam and secured with a few passes of nylon twine. The resulting horns

were incredibly well damped and produced only the dullest thud with a strong tap of the horn mouth. The new H290C may not benefit as much from such treatment if the native structure is sufficiently inert.

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Subject: Re: Mortite on 290 horn  
Posted by [mantha3](#) on Mon, 22 Oct 2012 13:36:22 GMT  
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Right on.

I saved a copy of this detail. I'm running the Emmanence H290. I'm thinking I'll run these for a couple months or so without this tweak. I like many on this forum do DIY stuff so sooner or later curiosity will get the better of me and I'll try this.

Thanks for the detail on this!!!

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