Subject: Damping stuff
Posted by peppennino on Thu, 15 Mar 2007 09:51:15 GMT
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Good morning! Since I'm an allergic subject, I'd like to use a valid alternative to fibreglass as damping material. Any suggestion? Thanks in advance!Vincenzo

Subject: Re: Damping stuff
Posted by Wayne Parham on Thu, 15 Mar 2007 14:21:40 GMT
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Some people use polyfill, like what's used as batting in pillows and winter coats. I find it to be awkward to use, because it doesn't hold together well. "Acousti-stuff" is a branded polyfill, packaged and sold by Parts Express. Ultratouch is a cotton product replacement for R13 that you might try.

Subject: Re: Damping stuff
Posted by peppennino on Thu, 15 Mar 2007 16:32:13 GMT
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So, I'd search for Ultratouch.. Does it have a good abrsorpion factor in the lowest frequencies? Many Thanks, Wayne!

Subject: Re: Damping stuff
Posted by peppennino on Thu, 15 Mar 2007 16:35:23 GMT
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Does recycled wool in sheets is useful? I live in Italy and Ultratouch seems not available here..

Subject: Re: Damping stuff
Posted by Wayne Parham on Thu, 15 Mar 2007 17:21:29 GMT
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Sure, wool will work. About your question on absorbtion at low frequencies, no fiberous padding of the thickness used for loudspeakers really works well at low frequencies. It doesn't need to though; It's really intended to attenuate midrange. If you needed a fiberous material that attenuated bass, it would need to be very thick. Another way to damp bass is to have a vibrating membrane with some resistance. That will move sympathetically and damp the waves by friction. But again, the damping material used in loudspeaker cabinets is there to attenuate midrange and higher frequency standing waves. The physical properties of the cabinet itself are what control the bass.

Subject: Re: Damping stuff
Posted by peppennino on Thu, 15 Mar 2007 18:09:51 GMT
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Many many thanks, Wayne! I'll go for wool! My pair of Theater Four are growing!!http://homepage.mac.com/parisatnight/hobby/PhotoAlbum42.html

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Subject: Re: Damping stuff
Posted by Wayne Parham on Thu, 15 Mar 2007 20:29:42 GMT
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Nice work! Thanks for the link!

Subject: Re: Damping stuff
Posted by peppennino on Thu, 15 Mar 2007 20:36:19 GMT
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Thanks to you for your kindness and generosity!!Good night!Vincenzo

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Subject: Re: Damping stuff
Posted by dB on Sun, 18 Mar 2007 09:00:36 GMT
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It's so amazing, that you can join high technology with Wayne's insight, "Russian PIO caps" and

Xover HI-FI/hi-tech "Cotton dust-covers". Marvellous... SPEECHLESS!