Subject: speakers in bathroom
Posted by Rich on Sun, 18 Jan 2004 16:34:08 GMT
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I have 2 3-way KLH bookshelf speakers that are going to waste because it seems I don't use my CD player anymore, just my computer. These speakers are barely used, less than 10 hours total. I am wondering what, if any, kind of damage would be done to them if put in a bathroom. I know condensation and steam from the shower would probably damage them, but if they were mounted on a shelf high above anything that would spill on them, how long would they last? Would they be ruined in a week? or would it take several years? Thanks for any info,Rich

Subject: Re: speakers in bathroom
Posted by Wayne Parham on Sun, 18 Jan 2004 18:50:02 GMT
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The humidity might warp the paper cones and might peel the veneer from the cabinets. Those are the two things I'd watch for.

Subject: Re: speakers in bathroom
Posted by Rich on Sun, 18 Jan 2004 20:05:26 GMT
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well can you maybe describe what kind of effect this would have on the sound and how long it may take to cause permanent damage?

Subject: Re: speakers in bathroom
Posted by Wayne Parham on Sun, 18 Jan 2004 20:56:35 GMT
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If the speaker cone warps, it may cause the voice coil to rub. Length of time until you can expect to see damage depends on cone material, amount of humidity and duration of exposure. Some humidity is desirable, and if the length of drying time between high-humidity exposures is high, it might actually be a good thing. But if the cone paper begins to shrink or warp from these humidity cycles, then you have a problem.

Subject: Re: Outdoor speakers might help
Posted by Bill Martinelli on Sun, 18 Jan 2004 22:41:20 GMT
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Wayne is right about the moisture problem. If you have ever had a damp basement or garage you have seen how boxes and other things of hardboard or similar materials take on a new shape over time. Dependant on conditons such as how hot the water you use and how long the fan runs make a big difference. Under severe conditions the speakers would be hard to listen to after 9 months. At a more optimum condition I estimate the speakers to last 7 years and 3 years for average with a paper cone speaker.I'm going to say that the more you use the speakers under this kind of condition the longer they will last. If you take the grills of the speakers and the woofer's are a poly cone then you very minimal chance of a problem. You can get outdoor speakers but I dont know if you want a moss green rock sitting beside the hamper or not. You can alos try and treat the cone on the speakers if your really into a project. Remember you are going to have to remove the driver and treat both sides of the cone so it is sealed from the elements at large. Cone treating with sealer like shellac and other water proofers can change the tone and specs of the driver small amounts. Probubly not an issue for bathroom speakers. Bill