Subject: Does type of floor affect acoustics?
Posted by Lark on Fri, 21 Apr 2017 20:19:03 GMT
View Forum Message <> Reply to Message

I was just wondering whether the type of flooring in your room affects the acoustics? That is, if there is a carpet or tiles or wood will the sound be different for each?

Subject: Re: Does type of floor affect acoustics?
Posted by Wayne Parham on Fri, 21 Apr 2017 21:06:30 GMT
View Forum Message <> Reply to Message

Carpeting is generally best. It reduces the size of the floor bounce notch.

Subject: Re: Does type of floor affect acoustics?
Posted by sawyer25 on Wed, 20 Sep 2017 21:06:01 GMT
View Forum Message <> Reply to Message

Wayne Parham wrote on Fri, 21 April 2017 16:06
Carpeting is generally best. It reduces the size of the floor bounce notch.

I've always gone for carpeting. I guess that's why you'll find them in theater rooms. What about cork and/or vinyl? I've heard people recommend them as well.

Subject: Re: Does type of floor affect acoustics?
Posted by Wayne Parham on Wed, 20 Sep 2017 21:32:26 GMT
View Forum Message <> Reply to Message

Absolutely. The floor bounce notch is one of the largest boundary anomalies and hard floors make it worse. A carpet with a pad helps a lot when the speakers are placed relatively close to the listener because the anomaly is relatively high in frequency. As you move further from the speakers, the notch frequency shifts lower so things like flanking subs do a better job, but carpeting still helps.

Subject: Re: Does type of floor affect acoustics?
Posted by mamoss on Wed, 20 Sep 2017 22:07:10 GMT

View Forum Message <> Reply to Message

Still, should we (as well) be saying that the higher the quality of carpeting, the higher the sound quality in a room? When looking for carpets, is there a specific type that people keen on acoustics should go for?

Subject: Re: Does type of floor affect acoustics?
Posted by Wayne Parham on Thu, 21 Sep 2017 13:56:40 GMT
View Forum Message <> Reply to Message

Acoustically, the thicker, the better. Obviously acoustics aren't the only concern though. Best bet is to use a carpet and pad, and to further mitigate floor bounce and vertical modes using a flanking sub approach.

Subject: Re: Does type of floor affect acoustics?
Posted by Azuri on Sat, 30 Sep 2017 16:31:43 GMT
View Forum Message <> Reply to Message

Is this why shag rugs used to be so popular?

I have always found that rooms with carpeting help a system sound better. The difference has never been overtly noticeable, but noticeable all the same.

Subject: Re: Does type of floor affect acoustics?
Posted by gofar99 on Sun, 01 Oct 2017 21:40:23 GMT
View Forum Message <> Reply to Message

I suspect that shag carpeting was popular because it was cheap.