Subject: Taming the music room - first reflections
Posted by HaknHendrix on Tue, 21 Jun 2005 10:47:43 GMT
View Forum Message <> Reply to Message

In an effort to tame my listening room, I constructed some base traps using Owens 705FRK - put one sheet on top of the other, with the facing - pointing into the room.Next item to contend with is the first order reflections. Could someone advise what material - rigid fiberglass, mineral wool etc - I have access to this stuff locally so sourcing it is not a problem. I intend to build a panel - supported by legs, so that I can position it relative to the speakers and the side walls. Is Owens 703 or 705 useful for taming the HF's?Hakn Sr.

Subject: Re: Taming the music room - first reflections
Posted by Wayne Parham on Tue, 21 Jun 2005 21:49:39 GMT
View Forum Message <> Reply to Message

The position of an absorbent material is as important as its composition. A sheet of material hung a few inches out from the wall is better than one stuck directly on it. You'll find that drapes are very effective, so maybe you can find some attractive ones that suit your needs and look nice too. See chapter 5 of the JBL Sound System Design Reference Manual. Notice the absorrption coefficient chart on page 5-10.

Subject: Re: Taming the music room - first reflections
Posted by HaknHendrix on Thu, 23 Jun 2005 17:57:37 GMT
View Forum Message <> Reply to Message

Wayne - thanks for the link - somewhat technical, but generally most enjoyable.Still looking for additional input on a materials list for buidling a free standing panel to handle first reflections.Hakn Sr

Subject: Re: Taming the music room - first reflections
Posted by Bill Epstein on Wed, 01 Mar 2006 22:52:59 GMT
View Forum Message <> Reply to Message

I've just put up Owens Corning 703 2'x4'x2" panels hanging on the wall.According to seevral websites the 2" thickness damps above 500Hz. It's true about standing them off from the wall but I have no choice. Freestanding panels should be better.I have 2'x2' behind the speakers, 2'x4' at the first reflections and in a corner as well as a stack of 3 40 sq ft rolls of R13 in a corner. I've

never heard better sound. The room is the principal component!Look for ATS acoustics or sensible sound or just use the links on the Rives site.