Subject: How to make Bass Traps
Posted by SamW on Thu, 26 Apr 2018 11:10:26 GMT
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A friend has a great listening room and we want to make a few bass traps for it. We've got the frames made and have cut birch playwood for the panels. W've ordered Knauf two-inch, 3lb insulation from GIK.

We hope to be able to get them mounted over the weekend - but we're not sure how big an air gap to have between the traps and the wall.

Any advice?

Subject: Re: How to make Bass Traps
Posted by johnnycamp5 on Fri, 27 Apr 2018 18:32:05 GMT
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In my experience corners are considered to be the best place for bass traps, or at least the best place to start in a standard residential room.

But they need to be very thick to absorb bass.
The cheapest and most typical diy bass trap is just a 2'x4' piece of compressed fiberglass (ex. Owens 703) set up vertically in a corner, with some batt insulation loosely shoved behind it.

You could also stack them, creating an 8 foot tall trap

It could be covered with a thin, acoustically transparent material like cheap spandex (stocking material).

The traps that I have built over the years, never use any type of frame or backing material.
The bass wave travels directly through the material, bounces off the back wall and then has to travel back through the trap and into the room again.
This is different than a resonant panel absorber