Subject: 4 Pi Damping Questions
Posted by slhijb on Thu, 19 Mar 2020 22:47:22 GMT
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New member here. Hope everyone in the Pi community is surviving the Coronavirus. I'm under self quarantine with a little too much time on my hands. My wife wants me to paint the living room, but am having too much fun researching 4 Pi speakers.

A little unclear on the damping in the 4 Pi. The plans say to, "Use R-11 or R-13 insulation, covering the interior top, side nearest the port, and the rear." This of course is in addition to placing damping in the middle of the cabinet on the cross bracing between the CD & woofer.

QUESTIONS. Just want to clarify that the panel wall opposite the port, and the cabinet floor should not have any insulation damping. Also, for the side nearest the port, is insulation only placed next to the port, or is it supposed to cover the entire cabinet wall? If these areas are left undamped, are not the chances of wall resonances and standing waves somewhat increased?

Would it be beneficial (space permitting) to add a second cross brace directly under the woofer with a layer of R13 insulation to help stamp standing waves? Thanks, Jim