Subject: The Bumma (tentative title)
Posted by badman on Thu, 17 Jun 2010 22:40:19 GMT
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Finally done from a build perspective is my waveguide, a 15" contour, 16.5" overall assembly. Made of resin, epoxy, plywood, styrofoam, casting cloth, and a few other odds and ends.

Crossover is being worked on, and I'll post more XO details as it gets refined. Currently the woofer has a 40uF 8 ohm zoebel and a .47mH series inductor. Tweeter has 2 impedance compensation notches, a damping resistor, and a 5uF highpass cap. The tweeter section in particular can use some effort as the first order isn't the best way to protect the driver. I will at some point put a parallel coil in but it may well be oversized to keep the phase shift out of the passband.

http://img580.imageshack.us/img580/4381/finishedosguides3.jpg