



These molds will be used to cast the silicone, and the resulted cast will be used as a mold for the epoxy.

Epoxy does not stick to silicone, and we cannot use the silicone directly as the sulphur in the barium sulfate shielding additive (BaSO_4) causes cure inhibition in platinum-cured silicone. However, barium sulfate does not affect epoxy resin.

Once the epoxy has been cured, the resulting casts can be "sandwiched." One top mold will go on the top cavity, in-between the inner and outer cover. You can then place the two short side casts in the short cavities, in-between the screw holes. The two long side casts will be placed in the long cavities, in-between the screw holes. The bottom cast will be placed in the bottom cavity, in-between the geiger counter/inner cover and the top face of the stack plate. You can then insert M3x20 screws into the 4 screw holes, and add M3 nuts if required.