

THERMOSET POLYMER UTILITY VAULT LID**ABSTRACT**

5 A fiber reinforced polymer material lid or cover for a utility vault made from
an unsaturated polyester thermosetting resin matrix, glass fiber reinforcement,
an inorganic filler and an ultraviolet inhibitor. The lid or cover has a flat textured
upper surface having a plurality of bosses having different heights extending
above the upper surface and a bottom surface having an outer perimeter rim with
10 a recessed interior cavity having a number of continuous support ribs extending
through the recessed interior cavity from opposite sides of the outer perimeter of
the rim to transfer load placed on the lid or cover and minimize deflection under
the load to the outer perimeter rim.

15 Figure 1