

SPECIFICATIONS FOR LEAD CORE WOOD DOORS

Patson Lead, Inc. manufactures lead core wood doors in our own manufacturing facility located in Erlanger, Kentucky. Doors are constructed using a solid particle board core. Standard door thickness is 1-3/4". Available non-rated only. Lead cores range in thickness from 1/32" to 1/8". Edge strips match the face veneer. Doors are prefit for standard frame clearances, with edges beveled 1/8" in 2". Doors may also be machined for all types of hinges, locksets and other door hardware. When needed we can provide cutouts for lite kits. Hardware and lite kits are available.

WOOD CORE

The wood core of the door is constructed using a particle board body to which top and bottom rails and side stiles are fastened using both adhesive and mechanical fasteners. The side stiles are edged with hardwood that matches the face veneer of the door. Top and bottom rail width is a minimum of 2 inches. Stile width is a minimum of 1-1/4 inches. To this core the specified sheet lead is bonded using an industrial adhesive.

LEAD CORE

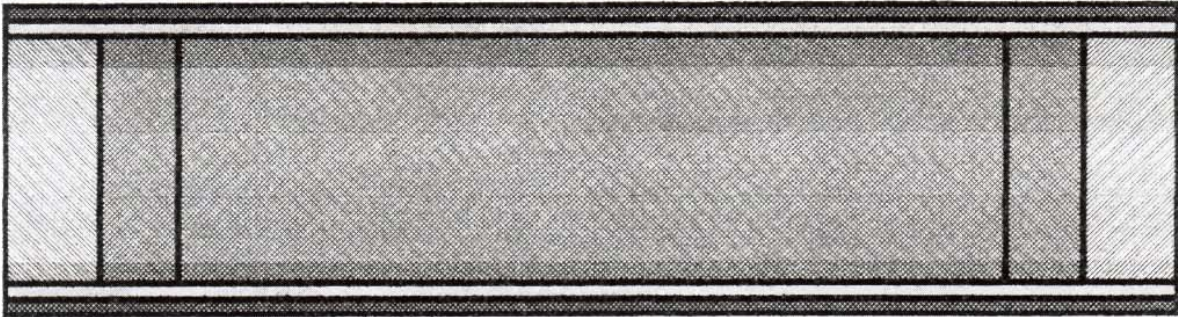
All sheet lead used in the manufacturing process meets or exceeds Federal Specification QQ-L-201f, Grade C. Depending upon the thickness of lead required, one or two sheets of lead is adhered to the wood core. This lead core extends from edge to edge and is free from any defects that would affect its shielding performance. To this lead layer the face veneer is bonded.

VENEER

The face of the door can be covered in wood veneer as needed. We stock birch, and red oak. We can order veneers in a variety of woods. All wood veneer faced doors are sanded to remove working marks and burr edges. Doors are supplied with no finish applied.

We are also capable of providing wood core doors with plastic laminate faces. The stile edges of these doors are covered in matching plastic laminate.

LEAD CORE WOOD DOOR CROSS SECTION



HARDWOOD STILE EDGE



TIMBERSTRAND WOOD CORE



WOOD VENEER



SHEET LEAD

not to scale

no bevel shown