

SPECIFICATIONS FOR LEAD CORE METAL DOORS

GENERAL

Patson Lead Inc. sells lead core metal doors assembled by others. Doors are constructed from metal door halves that are lead lined then assembly welded. Standard door thickness is 1-3/4 inches. Standard lead cores range in thickness from 1/32 inch to 1/8 inch. Thicker lead cores can be quoted. Doors are pre-fit for standard frame clearances, with squared or beveled edges. Doors may be prepped for all types of hinges, locksets and other door hardware. All hardware preps are reinforced. Doors do not include hardware, lite kits or glass. These items are available and can be quoted as an add-on. Doors are available as standard non-rated or fire-rated (to 3 hour) as required.

DOOR BODY

The metal door is constructed from 12-16 gauge cold-rolled steel. The door is stiffened by 22 gauge internal channels spot welded at 6 inch maximum centers. The hinge and lock stiles are reinforced full height with a 14 gauge channel. The top and bottom channels are 14 gauge. Individual hardware reinforcements use 7 gauge for hinges and 14-16 gauge for locks and closers.

When assembled the door is welded together and all welds are ground smooth. Seamless is available.

LEAD CORE

All sheet lead used in the manufacturing process meets or exceeds Federal Specification QQ-L-201f. The lead core extends from edge to edge and top to bottom. The lead is located in the center of the door between the steel stiffener channels, which act to hold it in place. The sheet lead is free from any defects that would affect its shielding performance.

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