

Specification — CORECLAD® Lead Lined Wood Doors - to 20 minutes

Non-labeled, 20 minutes NP or 20 Min PP (Cat A or B) per UBC 7-2-1997

A&L Shielding's wood doors are designed to contain various levels of shielding protection and can be equipped with a variety of hardware.

Lead Lined Wood Doors — lead under door skins

GENERAL:

CORECLAD® doors are designed to provide an appearance equal to premium grade architectural wood doors while providing radiation protection. They are constructed to support the high weight resulting from lead shielding. The design permits most normal architectural hardware to be used in the final door and frame assembly. These doors provide equal performance and appearance to unlined wood doors.

Doors are to comply with ANSI/WDMA 1.S.1-A requirements. Non-labeled and 20 minute labeled doors have either particleboard or laminated strand lumber (LSL) core construction. Doors will use wood veneer, reconstituted veneer, MDO or decorative laminate faces and hardwood stile edges. Workmanship and tolerances are kept strictly to standards.

CORECLAD® construction is available for lead thicknesses up to 3/8".

PRODUCT DETAILS:

CORE AND EDGES – The standard core of these doors consists of one medium density LD-2 particleboard and edge assembly covered on both sides by lead sheet (equal to one half the total specified lead thickness) meeting Federal Specification QQ-L-201F, Grade C. This lead is 99.9 percent pure. The core includes LSL stiles faced with matching hardwood plus LSL rails.

LEAD LINING – Provide two continuous lead sheets, each equal to a minimum of one half the total specified lead thickness for the opening. Locate lead on either side of the core assembly. Extend lead to all edges of the door.

FIRE LABEL – Fire labels to 20 minute Positive Pressure (Cat. A or B) or Neutral Pressure are available in single doors up to 4'0" x 8'0" and pairs up to 8'0" x 8'0" opening size using this type of core material.

SMOKE LABEL – Positive pressure 20 minute doors also include a smoke ("S") label. Smoke gasketing to be field applied by others.

LITE OPENINGS – Lite sizes are available up to 1,296 square inches per leaf on labeled doors with lead requirements up to 1/8". Total area of cutout cannot exceed 40 percent of door area (30" wide or 54" high maximum). Supply a lead lined metal vision kit and glass for the size and label requirements of the project. For non-labeled doors, lite cutout openings may extend to within 3-1/4" of the edge of the door or cutout for lock hardware for unlabeled doors and 5" for labeled doors. Double glaze with either labeled wire glass or ceramic glazing and lead glass where fire labels are required by local/national fire and safety codes.

For non-labeled doors, a flush or raised wood trim kit in maple or oak with lead lining is available at time of manufacture if a matching wood finish is desired.

FINISH – Doors are shipped unfinished for final finishing at jobsite. Factory edge sealing is available as an option if this does not affect final door finish.

WARRANTY – A standard warranty for one year from date of shipment is standard for lead lined doors. A limited life of original installation warranty is available as well and must be specified at time of order.

EXECUTION:

Installation should conform with the latest issue of DHI's "Installation Guide for Doors and Hardware." Doors having a 20 minute label also should conform to NFPA 80, published by the National Fire Protection Association.

Special emphasis should be placed on the selection of a proper hinge system and the attachment of the door frame to the wall because of the high weights involved with lead lined doors.



268 Old Lindale Road
Rome, Georgia 30161

Phone Toll Free: 800-329-5323
Fax Toll Free: 800-329-5320
e-mail: alshield@alshielding.com
Internet: www.alshielding.com