

Technical Data — CORECLAD® Lead Lined Wood Doors - 45 & 60 min.*

Positive Pressure per UBC 7-2-1997 with concealed intumescent (SEE NOTE 1)

Product features, specifications and details (interior only)

Thickness	1-3/4" to 2" (44.45mm to 51mm). SEE NOTE 2	<p>These special fire-rated radiation shielding doors are recommended for architectural use in hospitals, medical clinics, laboratories and anywhere the possibility of radiation exposure exists. The amount of lead required in these doors must be determined by a licensed radiation shielding physicist.</p>
Maximum Size	ITS-WH 45 or 60 minute: Single: 4'0" x 8'0"; pairs: 8'0" x 8'0". SEE NOTE 3	
Faces	2-ply or 3-ply door skin, at mill option. Wood veneer, reconstituted veneer, MDO or decorative laminates available. SEE NOTE 2	
Crossbands	Engineered fiber or wood.	
Stiles	Tectonite with concealed intumescent, 5-1/2" nominal, with matching hardwood or mill option edge band.	
Rails	Tectonite positive pressure design, 5" nominal.	
Blocking	10" lock block @ 41" from bottom of door.	
Adhesive	Type 2 standard, Type 1 (waterproof) optional.	
Core	Asbestos free incombustible mineral. Lead bonded to either side of core in CoreClad® construction.	
Lead Thickness	1/32" to 1/4" (0.79mm to 6.35mm). Lead thickness must be specified per shielding study recommendations.	
Lite	Double glazing required.	
Maximum Size of Lite Opening	Maximum area is 100 sq. in. of visible glass. Both labeled wire or ceramic glazing and lead glass required. Special ITS tested lead lined 115-L1 double glazed vision frame required and to be supplied by A&L Shielding. SEE NOTE 5	
Machining	Must be machined by A&L Shielding or other ITS approved A&L fire door machiner.	
Finishes	Unfinished. Factory edge sealing available.	
Warranty	One year from date of shipment. Other terms up to limited original life of installation are available from the factory and must be specified at time of order.	
Hardware	Door weights are high due to lead content. Select hardware accordingly. Listed pivot hinges with a special hardware prep have been tested at ITS to permit this fire rating.	

NOTES:

1. Frame mounted listed and approved gasket required for these doors to make positive pressure S (smoke) label valid.
2. Wood veneer door thickness for lead above 1/8" varies as lead thickness varies. Plastic laminate faced doors are slightly thicker. Consult factory for actual door thickness and any special frame requirements.
3. For paired openings a listed lead lined metal edge and astragal set must be used to prevent radiation leaks at the meeting stiles.
4. Use of A&L Shielding wood doors in exterior applications is not recommended and not warranted.
5. Minimum distance from the edge of any opening to the edge of any hardware cutout for labeled doors is 5-1/2". Consult local code authorities for safety and fire label requirements that may apply at the installation location concerning light openings.

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