



LEAD SHIELD/X-RAY

PB-Paint Backer WV-Wood Veneer PL-Plastic Laminate HB-Hard Board

DOOR MANUFACTURING STANDARDS

- Each stile and rail assembly securely bonded to core, then both units sanded before laminating to lead shield.
- Face laminates glued to core in hot or cold press, at manufacturer's option.
- Generally glued with Type II glue, available with Type I when specified.

STILES AND RAILS

- Stiles, edges and substiles combined thickness minimum 1 1/2" (38.1mm) after trimming.
- Top and bottom rails minimum thickness 1 1/8" (28.5mm).
- May be laminated of 2 pcs. for thickness. Wider stiles and rails available if specified to accommodate special hardware considerations.

MDF OR PARTICLEBOARD CORE

Formed flat panels consisting of MDF or particle core bonded together with synthetic resins or other added binder, with a minimum density of 28 lbs/ft³ (449 kg/m³).

LEAD SHIELD

Virgin, sheet lead, properly cleaned before assembly 1/64" (0.4mm) [1 LB. SQFT.] to 1/8" (28.5mm) [8 LB. SQFT.].

MINIMUM STANDARDS OF CONSTRUCTION

Doors shall be produced in accordance with industry standards established by NWMA (National Woodwork Manufacturers Association) and AWMAC (Architectural Wood Manufacturers Association of Canada) and AWI (Architectural Woodwork Institute).

TOLERANCES

- Warp and twist shall not exceed 1/4" (6.3mm) after hanging for doors 3'-6" (1066.8mm) in width x 7'-0" (2133.6mm) in height in accordance with AWMAC specified tolerance.
- Telegraphing shall not exceed 1/100" (0.254mm) in 3" (76.2mm) span.
- Thickness shall not exceed +/- 1/16" (1.5mm)
- Hardware tolerance shall be as specified by hardware manufacturer.

HANDLING AND INSTALLATION

Those responsible for this work must observe care in the handling, fitting and use of the doors from time of delivery to the job-site, with particular emphasis on the following:

- Doors must be stored flat on a level bed, in an area where the relative humidity is not lower than 25% or higher than 55%. Doors must not be subjected to extreme heat or cold or fluctuation thereof. When doors are stored covered, ensure light cannot penetrate cover and air can circulate.
- Doors must not be hung until the relative humidity in the building is between 25% and 55%.
- Cutouts or openings for lites are available however manufacturer must be consulted to ensure proper detailing of lead shielding.
- Doors must be given a protective covering finish on all surfaces as soon as they are hung, or within one week of delivery to job-site whichever is the earlier. Bottom and top edges of all doors must be given a further two coats of effective sealer before hanging and this must be renewed after any subsequent fitting. All glass in exterior must be bedded in putty or mastic.
- Handle doors wearing clean gloves and do not drop doors across one another or other surfaces.
- Doors must be hung to ensure proper functioning of door and hardware. Special design consideration must be given to hinging, frame assembly, hardware type and installation. Manufacturer should be consulted for specification and detailing.
- When plastic laminates are used:
 - internal angles should be made with rounded corners,
 - edge of laminate face chamfered, filed or sanded free from chips,
 - clearance provided for normal movement to permit ease of intended use.

NOTE: Failure to comply with these requirements will void warranty.

RK reserves the right to alter and change these specifications at any time.

Fire, Acoustical, Radiation Shield and Other Specialty Doors;

Radiation lead shield doors are designed and constructed to suit special X-Ray technology applications and are subject to limitations.

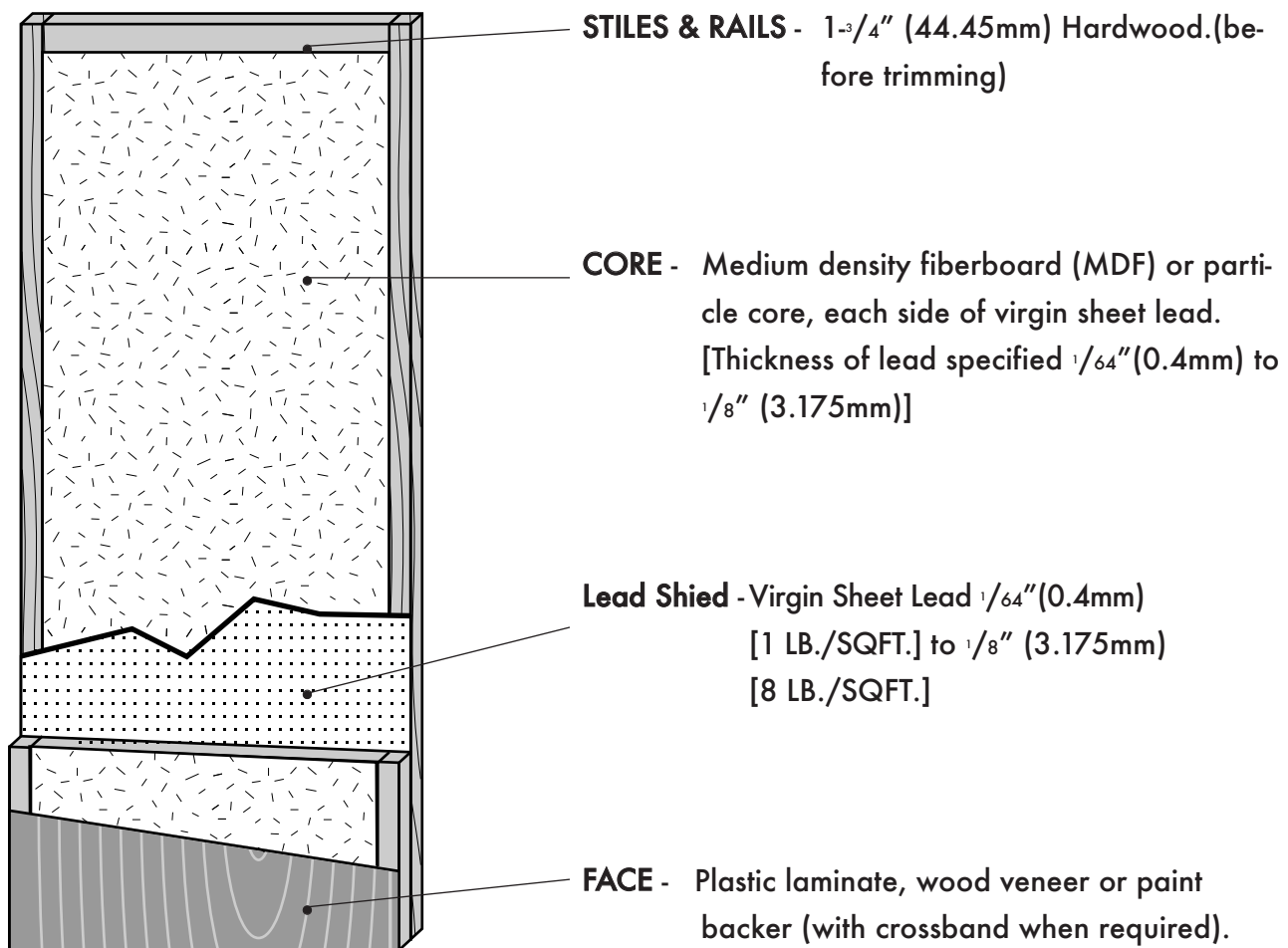
Radiation shield (X-Ray) doors are built to specific design criteria provided to RK by others. RK assumes no liability or responsibility for the application or use of these doors and makes no representations, written, implied or otherwise pertaining to the performance of the doors and the respective shielding capability when in use.

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DESCRIPTION

Designed to contain X-Rays and sound within specific areas. Used in Laboratories, Hospitals, Offices and areas where X-Ray Technology is present and sound containment is needed.



FIRE RATING - Not available.

WARRANTY - Three year limited warranty. For interior use only.

SPECIAL APPLICATIONS - Subject to limitations, doors may be manufactured to customer requirements to include lites, louvers decorative mouldings, hardware, transom etc.