

C/S Acrovyn® Doors

**Acrovyn
Bonded Agrifiber Core
7-Ply Construction
Lead Lined Non-Rated**

**C/S Interior Flush
Wood Door**

LLNR-AF7

Simply the Most Durable Door

- Acrovyn Doors will not tear, chip, or crack. Key to the doors durability is the rugged Acrovyn face and edge material.
- Acrovyn is 5 times as abrasion resistant as wood and twice as resistant as HPL.
- Integrated Acrovyn or stainless steel radiused edge guards wrap around both door stiles to provide damage protection.

Acrovyn Face & Edge Finish Options

- Nineteen standard woodgrain & metal Chameleon Acrovyn finishes available in a smooth suede texture
- Sixty four standard Acrovyn solid colors
- Stainless steel edges available in 20 GA type 304, #4 finish

Technical Data

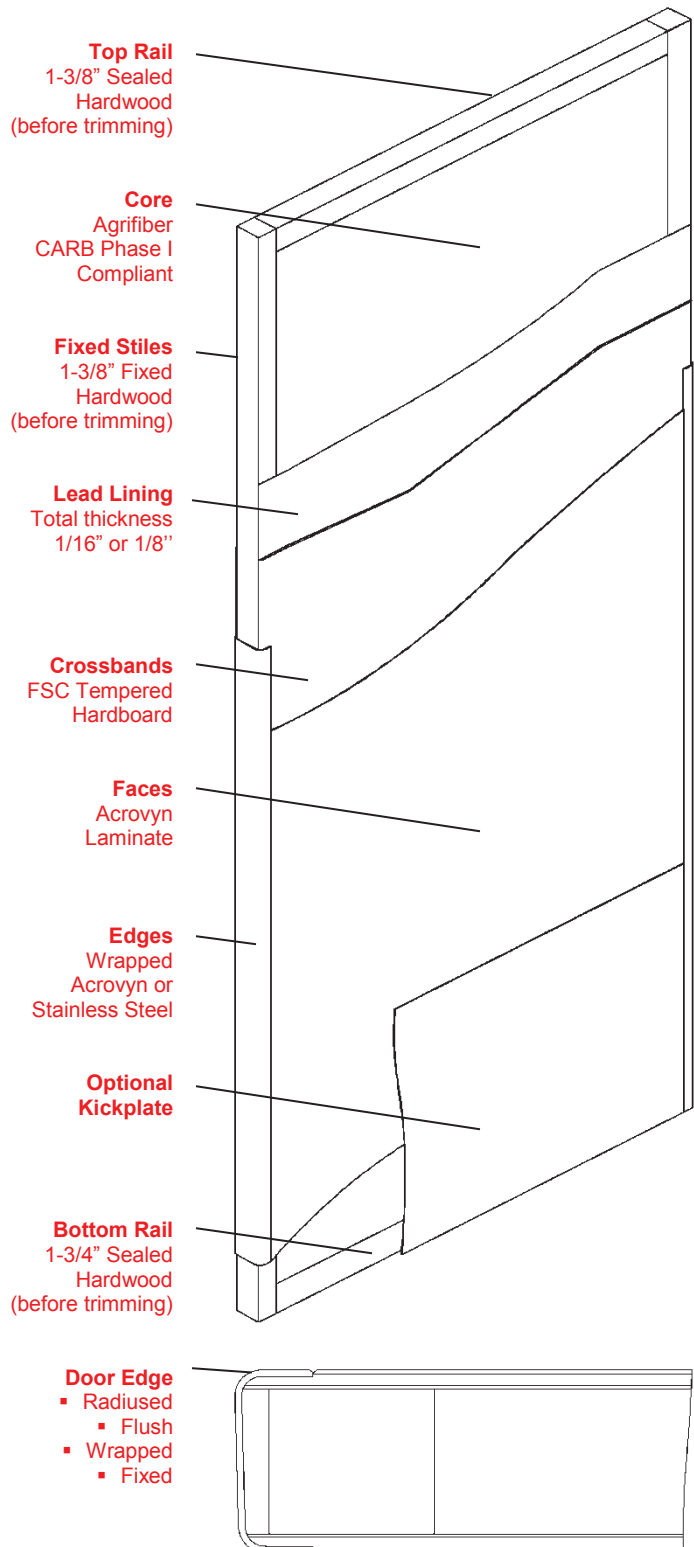
- Radiation and x-ray shielding applications
- Standards: WDMA I.S.1-A 2004 Extra Heavy Duty Door
- Lights: Cutouts, and lead lined vision kits available
- Premachining available for all mortise hardware from manufacturer's templates & approved shop drawings
- "S" Label: Category H seal must be applied to frame
- Warranty: Limited Lifetime

LEED Contributions

v 3.0

Materials and Resources Credits	
MR 4 Recycled Content	X
MR 6 Rapidly Renewable	X
MR 7 Certified Wood	X
Indoor Environmental Quality Credits	
IEQ 4.4 No added Urea Formaldehyde	X

U.S. Patents: 7,621,102; 7,587,876; 7,775,013 B2.
U.S. Design Patents: D512 785S; D515 713S; D517 224S;
D517 701S; D518 185S.



Engineering Specifications & Hardware Options

LLNR-AF7 Non-Rated Core Data	Single Swing	Pair or Double Egress
Core Type and Standards	Agrifiber: ANSI A208.1 grade LD-1 (26-28 lb/ft ³)	
	Complies with CARB Phase I Emission Standards section 93120.2 (a)	
Maximum Sizes	4' 0" x 8' 0"	8' 0" x 8' 0" - lead lined astragal required at meeting edges of pairs
Protection Plates	Up to 48" x 48"	
Door Thickness	1-3/4" (+/- 1/16")	
Lead Thickness	1/16" (4 lb) or 1/8" (8 lb), half of lead applied to each side to balance construction	
Weight	11.25 lb/ft ² for a 1/16" lined door; 15.25 lb/ft ² for a 1/8" lined door	
Crossbands	1/8" FSC tempered hardboard	
Reinforcement	Available upon request: 5" Top, 5" bottom, and center blocking	
Assembly Adhesive	Face: Type I (waterproof); Core: Type II (water-resistant)	
Clearances	Pre-fit clearances of 1/8" at the top, 1/8" at the stiles, and 3/8" at the bottom	
Fixed Stiles	1-3/8" Hardwood stiles, 1/8" in 2" bevel	
Edge Guards	Fixed Acrovyn and/or 20 GA #4 finish stainless steel	
Lights	Sizes by specification within warranty range. Glass must be leaded.	
Light Kit Availability	Lead lined metal or lead lined Acrovyn vision panel	
Louvers	Not available	
Electronic Power Transfer/Electronic Hinge	Available	
Wire Chase	Available	
Viewers	Available	
Hinges	Mortised, surface and continuous hinges	
Locks	Cylindrical and mortise types	
Exit Devices	Surface mounted vertical rod, surface mounted rim type, and mortised exit devices	
Less Bottom Rods	Less bottom rod available with fire latch	
Flush bolts Top/Bottom for Inactive Leafs	Surface mounted or automatic and manual flush bolts	
Concealed Vertical Rod	Available	
Closing Devices	Mortised or surface mounted	
Automatic Door Bottoms	Surface mounted or mortised door bottom	
Pivots	Center hung pivots available; offset pivots with intermediate pivots hinge available	

Performance Attributes

- **Hinge Loading:** Extra Heavy Duty per WDMA TM-8, 1990
- **Screw Holding:** Extra Heavy Duty per WDMA TM-10, 1990
- **Door Finish Wear Index:** Abrasion Resistance Testing - ASTM D4060-90
- **Door Finish Chemical Resistance Testing:** ASTM D1308-93
- **Door Finish Impact Resistance:** ASTM D-4226
- **Stain Resistance/Cleanability:** ASTM D-1308-93 - Common stains easily removed
- **Resistance to Fungi:** ASTM G-21-96 - Zero fungal growth
- **Resistance to Bacteria:** ASTM G-22-96 - Zero bacterial growth

