

# C/S Acrovyn® Doors

**Acrovyn  
Bonded FSC Particleboard  
7-Ply Construction  
Lead Lined Non-Rated**

**C/S Interior Flush  
Wood Door**

**LLNR-FSC7**

## 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

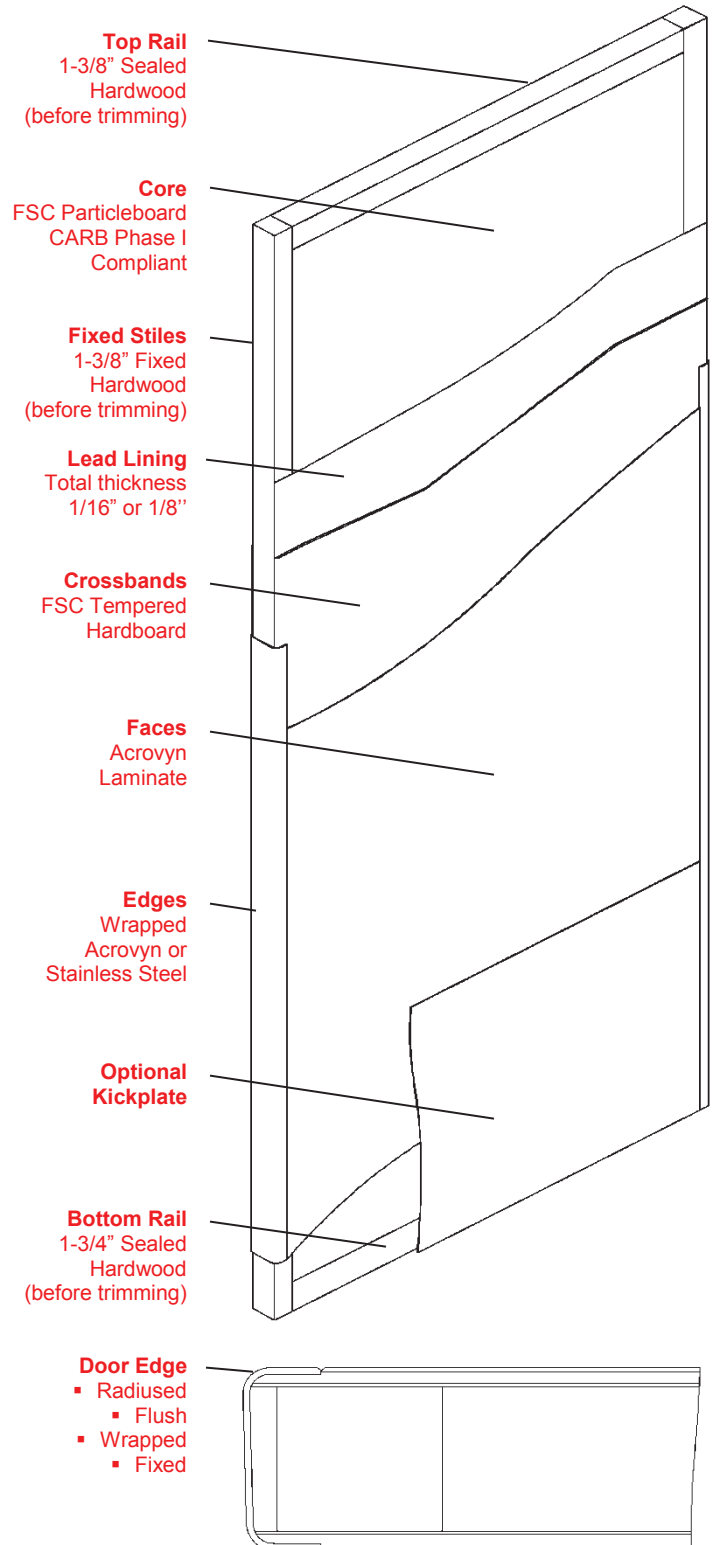
- Radiation and x-ray shielding applications
- Standards: WDMA I.S. 1-A 2004 Extra Heavy Duty Door
- Lights: Cutouts, and lead lined vision kits available
- Premachining available for all mortise hardware from manufacturer's templates & approved shop drawings
- "S" Label: Category H seal must be applied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

## LEED Contributions

v 3.0

Materials and Resources Credits	
MR 4 Recycled Content	X
MR 6 Rapidly Renewable	
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-FSC7 Non-Rated Core Data	Single Swing	Pair or Double Egress
<b>Core Type and Standards</b>	FSC certified particleboard: ANSI A208.1 grade LD-2 (32 lb/ft <sup>3</sup> )	
	Complies with CARB Phase I Emission Standards section 93120.2 (a)	
<b>Maximum Sizes</b>	4' 0" x 8' 0"	8' 0" x 8' 0" - lead lined astragal required at meeting edges of pairs
<b>Protection Plates</b>	Up to 48" x 48"	
<b>Door Thickness</b>	1-3/4" (+/- 1/16")	
<b>Lead Thickness</b>	1/16" (4 lb) or 1/8" (8 lb), half of lead applied to each side to balance construction	
<b>Weight</b>	12.79 lb/ft <sup>2</sup> for a 1/16" lined door; 16.79 lb/ft <sup>2</sup> for a 1/8" lined door	
<b>Crossbands</b>	1/8" FSC tempered hardboard	
<b>Reinforcement</b>	Available upon request: 5" Top, 5" bottom, and center blocking	
<b>Assembly Adhesive</b>	Face: Type I (waterproof); Core: Type II (water-resistant)	
<b>Clearances</b>	Pre-fit clearances of 1/8" at the top, 1/8" at the stiles, and 3/8" at the bottom	
<b>Fixed Stiles</b>	1-3/8" Hardwood stiles, 1/8" in 2" bevel	
<b>Edge Guards</b>	Fixed .060" Acrovyn and/or 20 GA #4 finish stainless steel	
<b>Lights</b>	Sizes by specification within warranty range. Glass must be leaded.	
<b>Light Kit Availability</b>	Lead lined metal or lead lined Acrovyn vision panel	
<b>Louvers</b>	Not available	
<b>Electronic Power Transfer/Electronic Hinge</b>	Available	
<b>Wire Chase</b>	Available	
<b>Viewers</b>	Available	
<b>Hinges</b>	Mortised, surface and continuous hinges	
<b>Locks</b>	Cylindrical and mortise types	
<b>Exit Devices</b>	Surface mounted vertical rod, surface mounted rim type, and mortised exit devices	
<b>Less Bottom Rods</b>	Less bottom rod available with fire latch	
<b>Flush bolts Top/Bottom for Inactive Leafs</b>	Surface mounted or automatic and manual flush bolts	
<b>Concealed Vertical Rod</b>	Available	
<b>Closing Devices</b>	Mortised or surface mounted	
<b>Automatic Door Bottoms</b>	Surface mounted or mortised door bottom	
<b>Pivots</b>	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

