

C/S Acrovyn[®] Door

**Acrovyn
Bonded Mineral Core
7-Ply Construction
90 Minute Rated**

**C/S Interior Flush
Wood Door**

FD7-90PP

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

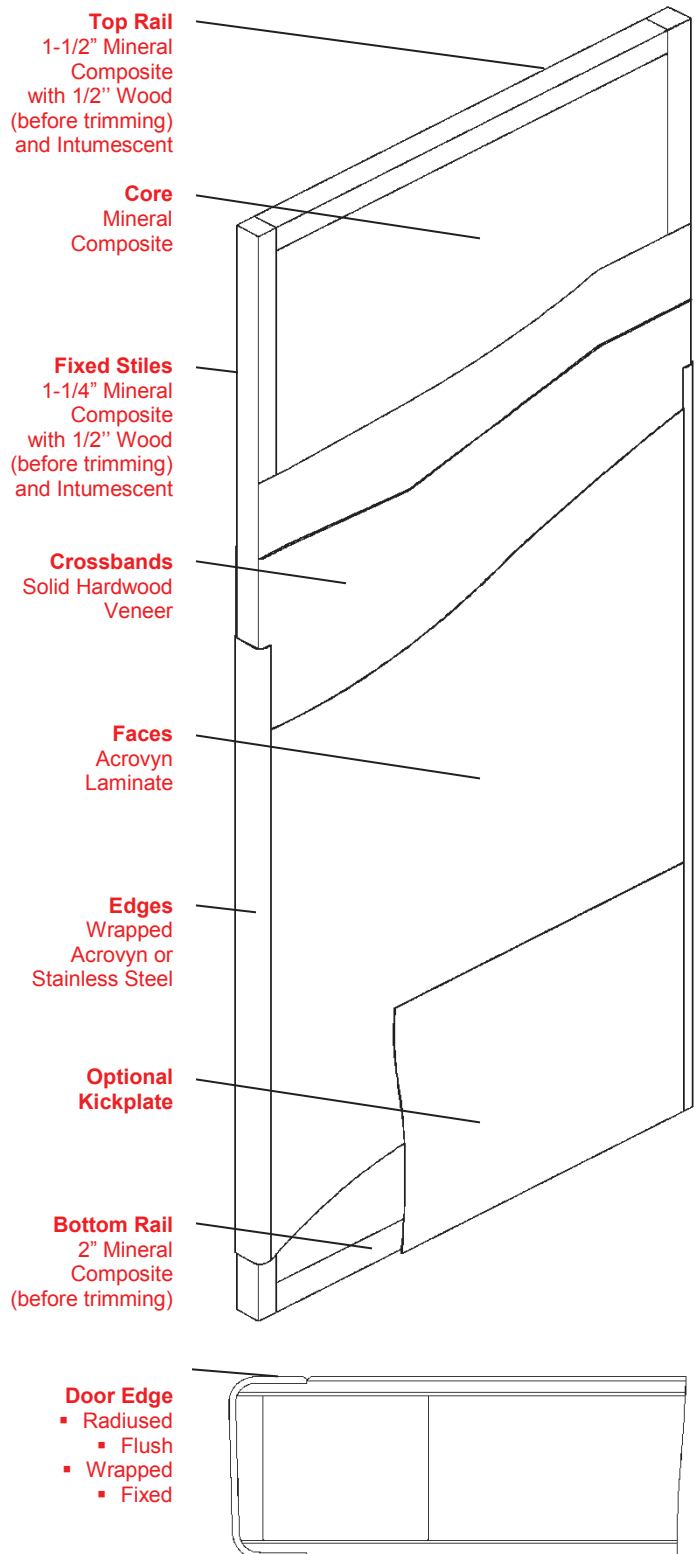
Technical Data

- Standards: WDMA I.S. 1-A 2004 Extra Heavy Duty Door
- Lights & Louvers: Cutouts, vision kits, and louvers 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	
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			
FD7-90PP Core Data	Single Swing	Pair	Double Egress
Core Type and Standards	Mineral Composite: 28-35 lb/ft ³		
Maximum Sizes	4' 0" x 9' 0"	8' 0" x 9' 0"	8' 0" x 8' 0"
Protection Plates	Up to 48" x 48"		
Door Thickness	1-3/4" (+/- 1/16")		
Weight	6.82 lb/ft ² for a 3'0" x 7'0" door		
Fire Door Testing Standards	UBC 7-2 1997, UL-10C 1998, CAN/ULC S104, and NFPA 252 1999		
Crossbands	1/8" MDF or 1/8" tempered hardboard		
Reinforcement available upon request:	5" Top, bottom, center blocking, and 5" x 10" lock 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	1-1/4" Mineral composite with 1/2" wood edge and intumescent, 1/8" in 2" bevel		
Edge Guards	Fixed Acrovyn and/or 20 GA #4 finish stainless steel		
Lights	Up to 1393 in ² , and 5-1/2" from any edge or lockset, 5" from any additional cutout		
Light Kit Availability	Listed and labeled steel kit; veneer wrapped steel kit		
Louvers (not available with vision panel)	Up to 24" x 24"; 10" from bottom edge, 5-1/2" from vertical edge, lockset, or cutout		
Electronic Power Transfer/Electronic Hinge	Available		
Wire Chase	Available		
Viewers	Listed viewers		
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	Offset pivots with intermediate pivot hinge available - Center hung not allowed		

Performance Attributes

- **Cycle Slam:** Extra Heavy Duty per WDMA TM-7, 1990
- **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

