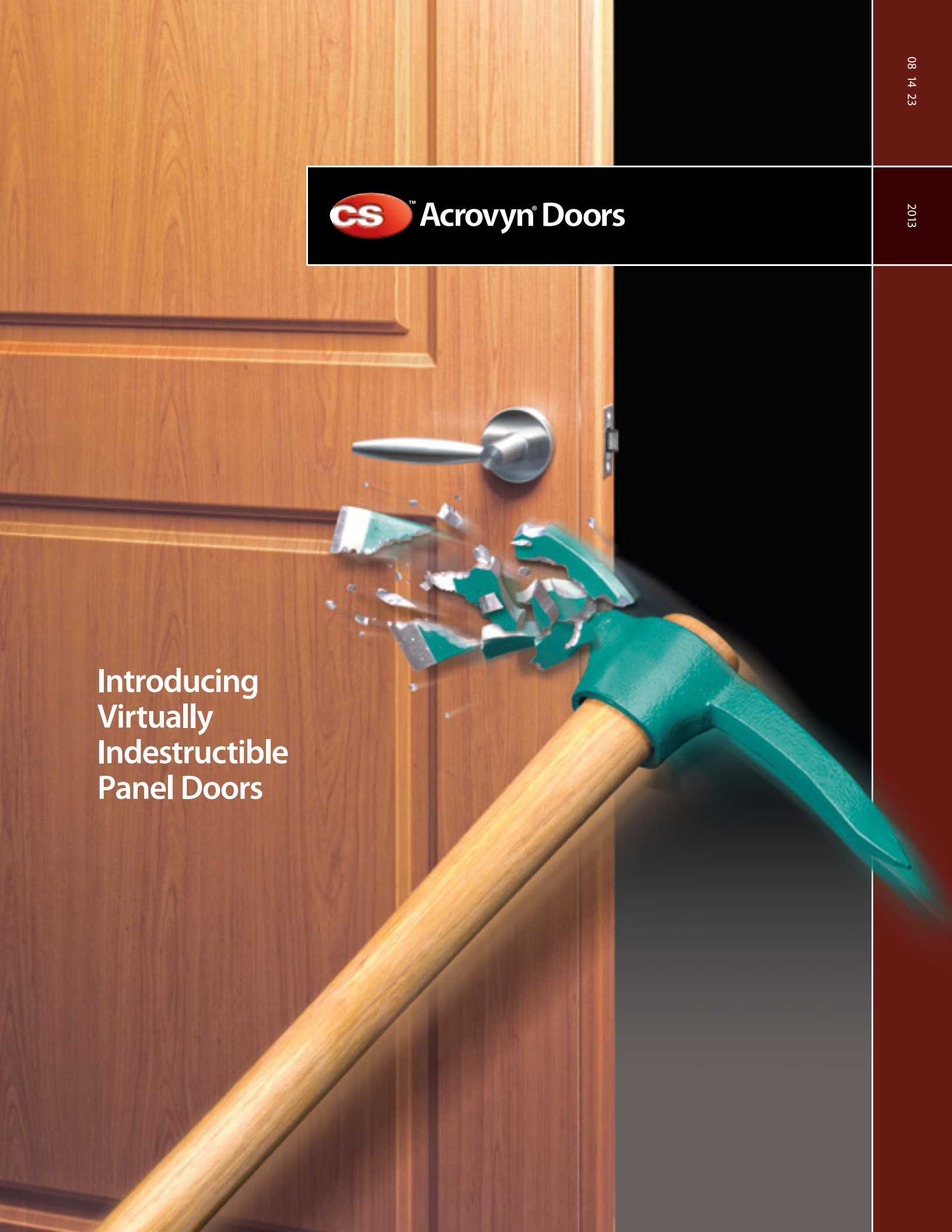
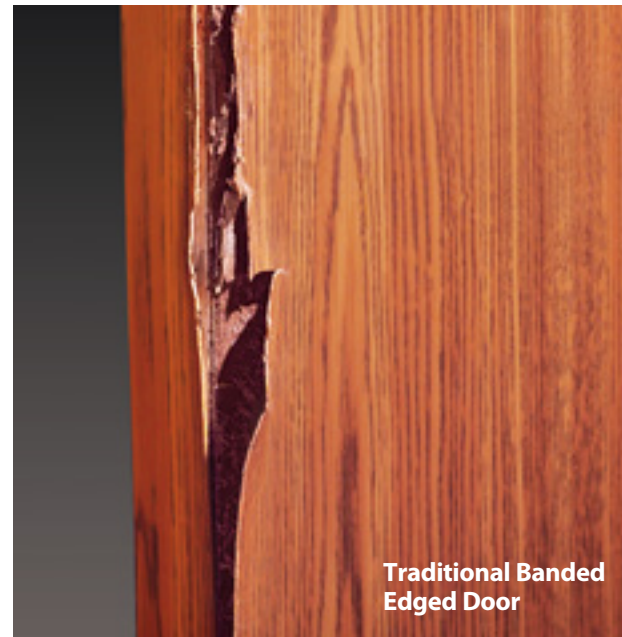




Introducing
Virtually
Indestructible
Panel Doors



**Most doors
cannot hold up to
the abuse in
today's facilities.**



Here's what happens when you don't choose Acrovyn® Doors. After six months of use, banded-edged wood and plastic laminate doors become unsightly messes requiring constant repair and replacement.

**Acrovyn® Doors look great—
and stay looking great!**

New Acrovyn®
Panel Door

Acrovyn® Custom
Design Door

Flush Faced
Acrovyn® Door

Taber tests don't lie.

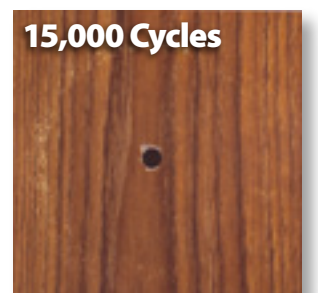
These tests, the industry standard for abrasion testing, prove that the Acrovyn® Door is much tougher than any other commercial door. Tests were conducted in accordance with ASTM 4060-90 standard using CS-10 wheels. Shown are actual test photos.



Wood Veneer



Low Pressure Laminate
(Thermal Fused)



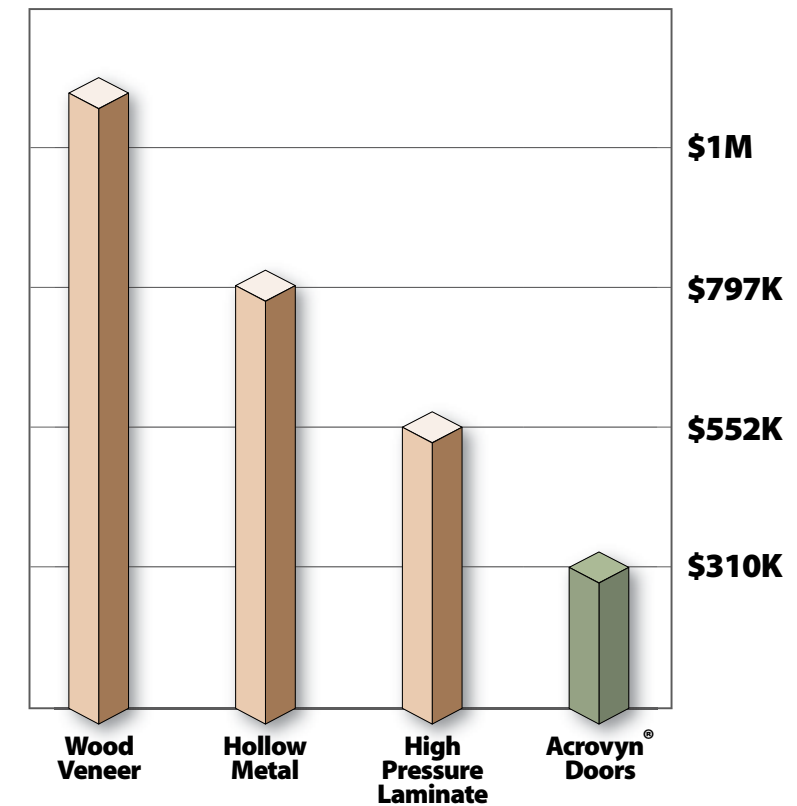
High Pressure Laminate



Acrovyn® 4000

Cheap
doors aren't
so cheap.

*Here is the real cost to buy
and maintain 500 doors over
a 10-year period.*



Life cycle analysis shows Acrovyn® Doors can save owners \$800,000 compared to wood doors over 10 years.

An in-depth analysis on the cost saving benefits of the Acrovyn® Door was conducted among leading hospitals throughout the United States. The study compared a facility's total cost of purchasing and maintaining 500 wood veneer, hollow metal, plastic laminate and Acrovyn Doors over a 10-year period. The areas considered in the life cycle analysis included: 1. Initial investment cost, 2. Annual operating cost, and 3. Annual maintenance and service cost. The findings concluded that Acrovyn Doors would cost \$800,000 less than wood and \$250,000 less than plastic laminate doors in a 10-year period. For a copy of the analysis results, call 800-972-7214 or your local C/S Representative.

You get what you pay for.

Don't be fooled by imitators, only an Acrovyn® Door is as good as an Acrovyn® Door.

Due to the extraordinary popularity of the Acrovyn® Door, now in hundreds of facilities across North America, there are doors on the market now claiming to be the "same as" or "as good as" Acrovyn. Don't be fooled! The Acrovyn Door was years in development. It boasts features, benefits and options no other door can compare with. The previous pages have shown what can happen if you don't choose a high impact resistant clad door for your facility. These pages show why the Acrovyn Door is **the only impact resistant door** you should consider. There are no doors available that give you all of the benefits of the Acrovyn Door, and when you compare it to doors with similar features, Acrovyn's price is the same or less. **Beware of bait and switch tactics.** Read your quotes carefully.

Only Acrovyn Doors are tested to withstand 2,000,000 cycle slams. Double the industry standard.

2,000,000 SLAMS

Acrovyn Doors simulated wood patterns clean easily with non-abrasive cleaners.



Only Acrovyn Doors are made of environmentally friendly PVC-free material—standard at no extra charge.



Thermal fused is a fancy term for low pressure laminate (as stated in competitors' specifications). The same technology is used for low-cost prefab furniture, which is not designed for high abuse applications.



Acrovyn®

Acrovyn simulated wood grain patterns look just like real wood and are PVC-free.



Competitor

The competition's old fashioned Pebblette texture base materials make their wood look like plastic.

Only Acrovyn Doors feature field replaceable edges and primary stiles.



Why settle for a knockoff when you can have the real thing?

Here's the proof:



When it comes to durability, no commercial door on the market can withstand the test of time like the C/S Acrovyn Door. The door shown here has been in use at St. Clare's Hospital, Denville, NJ, since 2005 and still looks in almost perfect condition.

Only Acrovyn Doors have a long list of satisfied customers across America. Ask us for their testimonials.

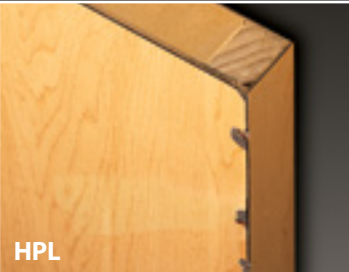
Over 90% of damage to facility doors occurs at the edges.

Only Acrovyn® Doors are available with replaceable stiles.

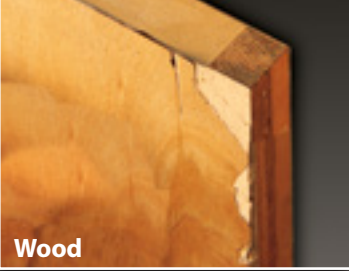
Impact Tests* prove the Acrovyn Door's superiority.



Acrovyn®
At a 8" drop a slight indentation in the Acrovyn occurred.



HPL
At a 4" drop the HPL laminate chipped, exposing sharp edges.



Wood
At a 3" drop the wood veneer chipped, exposing sharp edges.

*Variations of ASTM F476-76 standard test methods for security of swinging door assemblies.



Strength and Rigidity

Crossbanding adds strength and rigidity to the door.

Factory Sealed

Top and bottom rails feature structural composite lumber and are factory sealed with an approved sealant.

Removable Primary Stiles

Beds, X-ray carts and people lifters can do more than just surface damage. That is why Acrovyn Doors feature replaceable stiles on doors up to 60 minute fire ratings. If ever damaged, they can be replaced easily and on-site.

Simply the Most Durable Door

Wood veneer and high pressure laminate (HPL) just can't handle the same abuse as durable Acrovyn. Acrovyn has withstood 45 years of abuse in tens of thousands of hospitals and schools worldwide.

Field Replaceable Acrovyn Door Edges

Field replaceable Acrovyn or stainless steel door edges wrap around both the latch and hinge stiles for ultimate edge protection. Door edges are radiused for required impact protection.

Why should you care?

- Costs less than replacing the entire door
- Quick and easy to replace
- No downtime or disruption to the facility
- Continues to look as good as the day they are installed

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



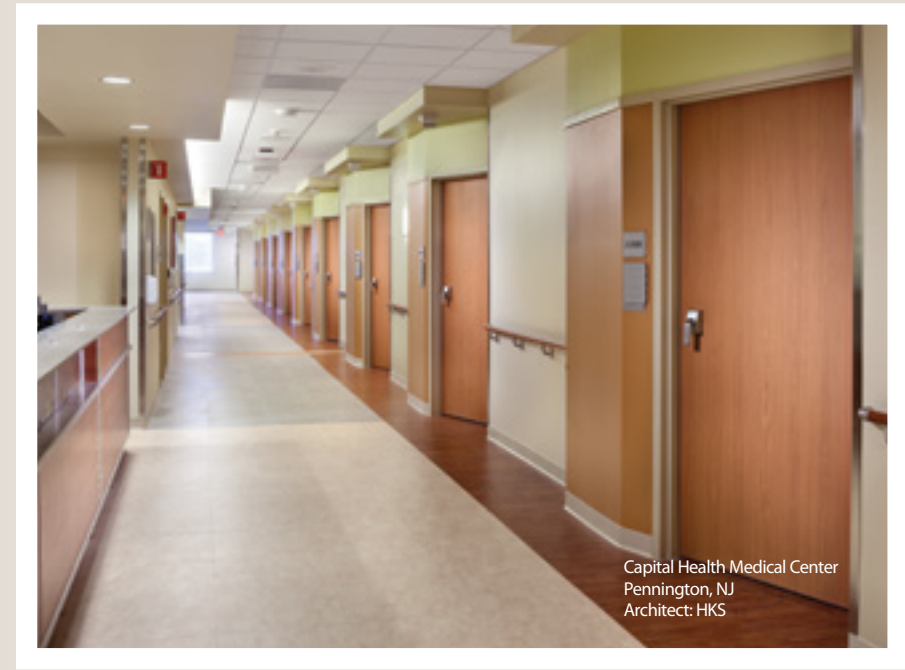
"I collided the edge of an Acrovyn Door sample with the edge of a competitor's lower-cost solid core veneer sample. The competitor's sample delaminated and was significantly damaged while the Acrovyn Door sample remained undamaged. This proved to our client that the Acrovyn Door was superior."

—Carl Nelson, Orcutt Winslow

Acrovyn®, the door everyone is talking about.

"The doors are holding up in a very high traffic area. Carts are hitting them daily. The doors still look like the day they were installed. Great product!"

—Emeritus Hospital
at Rancho Solano



Acrovyn® Panel Doors

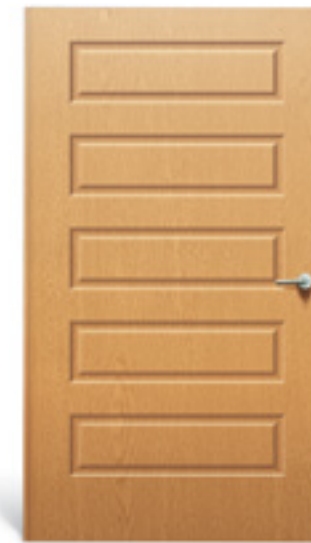
Designers who used the original Acrovyn® Doors asked us if we could manufacture panel doors for applications that require a less institutional feel. C/S Acrovyn Panel Doors can be manufactured to your specific design requirements including shallow reveals for easy cleaning. For details and samples or to discuss your design requirements, call one of the Acrovyn Doors consultants at 800-972-7214.



Berkeley (377 American Beech)



Montclair (379 Honey Birch)



Summit (376 Northern Oak)



Madison (381 Figured Anigre)



Somerset (372 Classic Maple)



Chatham (386 Honduras Mahogany)



Montgomery (399 Cherry)



Plymouth (383 Vintage Walnut)



Montclair (521 Spanish Moss)

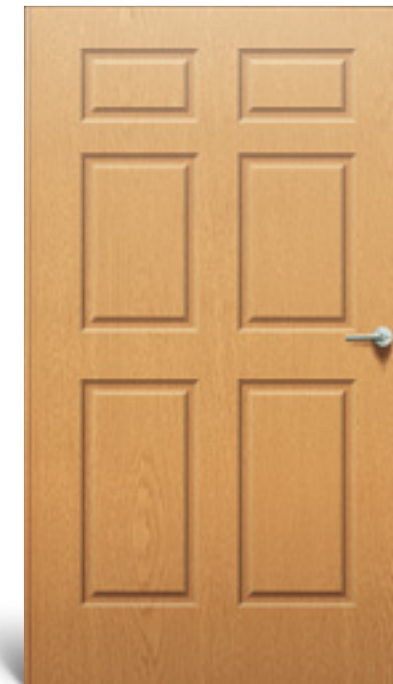
All Acrovyn® Doors are PVC- and PBT-Free to meet your sustainability and LEED® requirements.



Acrovyn® Doors are not only the industry's most durable door, but now offer a wide array of sustainable design combinations to meet your "Green and LEED®" requirements. Acrovyn Doors feature our durable Acrovyn 4000 material that is completely free of PVC, BPAs and PBTs as required by Practice Greenhealth and GreenGuide for HealthCare. Acrovyn Doors can be constructed from FSC wood and recycled components, rapidly renewable agrifiber and CARB compliant cores without any added urea formaldehyde. Easily cleaned, rugged Acrovyn 4000 is available in all colors and patterns on Acrovyn Doors.



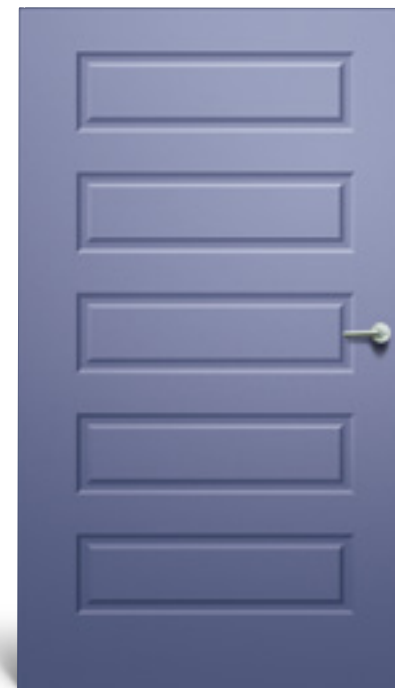
Acrovyn Flush Door Chameleon 374 Regal Mahogany with 410 Brushed Silver Stile Guards



Acrovyn Montclair Panel Door in Chameleon 381 Figured Anigre



Acrovyn Flush Door in 853 Ocean Gray with a 410 Brushed Silver Kick Plate



Acrovyn Summit Panel Door in 520 Imperial Purple



Acrovyn Flush Door in Chameleon 372 Classic Maple with 410 Brushed Silver Stile Guards



Acrovyn Flush Door in Chameleon 704 Brazilian Nut

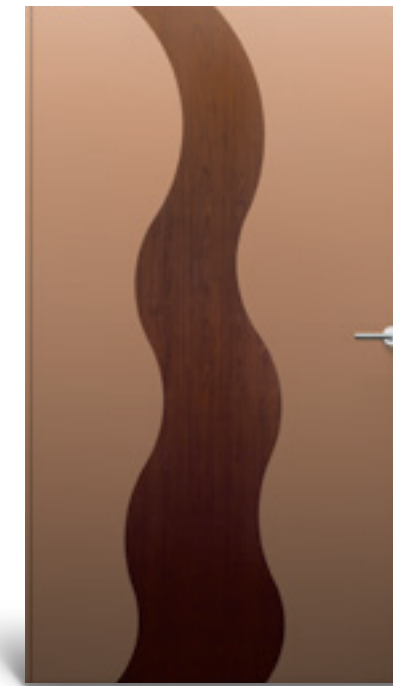
For specific LEED® credit contributions, see pages 22-23.

The world's toughest door now comes in custom designs.

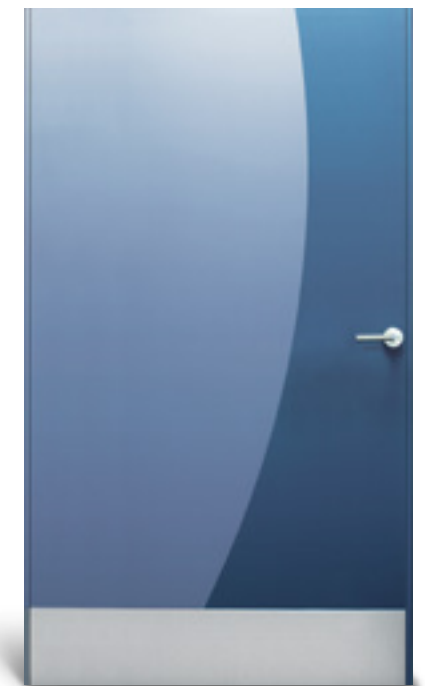
We can do practically anything you can imagine, without impacting fire rating or performance. Customization is a C/S specialty. Our manufacturing processes afford you limitless design freedom. Contact us at 800-972-7214 to discuss your designs.



Acrovyn 223 Danube and 957 Bluestone



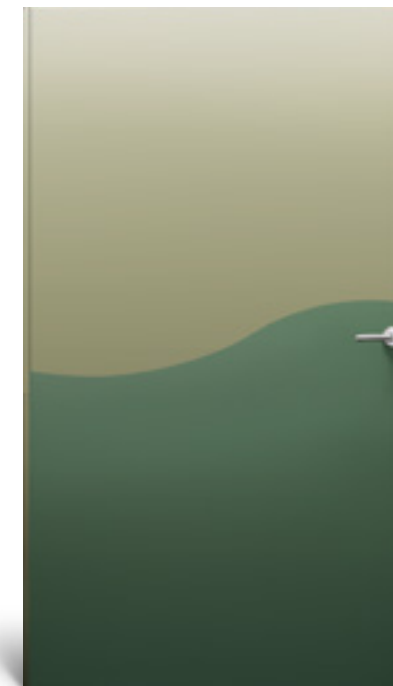
Acrovyn 105 Mocha and Acrovyn Chameleon 382 Cocoa Maple



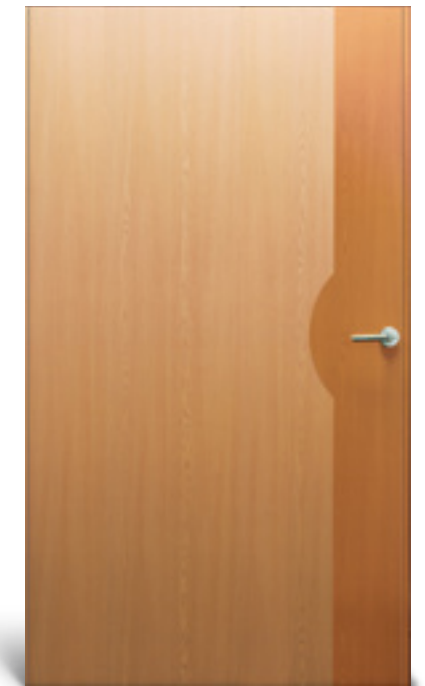
Acrovyn 930 Blue Silk, 957 Bluestone and Acrovyn Chameleon 410 Brushed Silver



Acrovyn Chameleon 374 Regal Mahogany and 410 Brushed Silver



Acrovyn 521 Spanish Moss and 522 Savannah



Acrovyn Chameleon 376 Northern Oak and 385 Royal Oak

Acrovyn® Solid Colors

949 White	933 Mission White	313 Vanilla	934 Pearl
100 Eggshell	858 Pumice	253 Parchment	517 Teton White
519 Buttercream	310 Yosemite Sand	101 French Cream	920 Almond
102 Desert Sand	254 Wheat	997 Irish Cream	186 Champagne
305 Mushroom	196 Fawn	103 Beige	198 Beige Desert
866 Doeskin	479 Cappuccino	480 Toffee	303 Caramel
929 Oyster Gray	187 Tan Bark	513 Khaki Brown	105 Mocha
193 Gingerspice	307 Sienna	106 Brown	316 Chestnut

Call 800-233-8493 for updated color information.



Acrovyn Doors feature Acrovyn 4000 sheet which is Cradle to Cradle Certified™ Silver. Cradle to Cradle™ is a certified mark licensed by the Cradle to Cradle Innovation Institute.

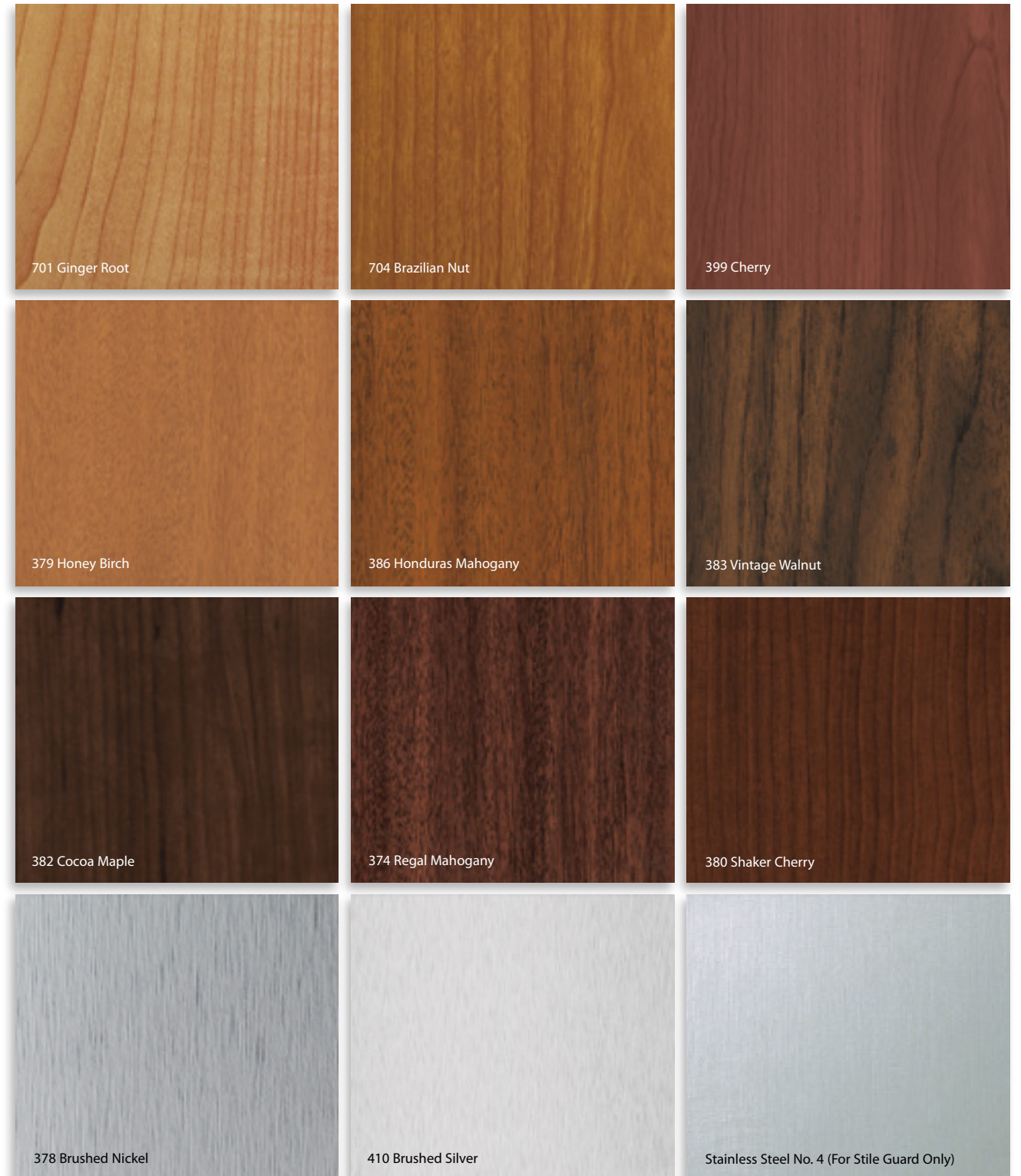
322 Peanut Brittle	194 Chinchilla	209 Slate	317 Kona
321 Russet	320 Brick	318 Berry Red	326 Rustic Red
311 Celery	521 Spanish Moss	522 Savannah	853 Ocean Gray
319 Saybrook Sage	324 Underseas	660 Sage Green	323 Serene Green
223 Danube	957 Bluestone	325 Cape Blue	930 Blue Silk
848 Aspen	129 Yale Blue	520 Imperial Purple	309 Tranquil Blue
927 Folkstone	265 Fog	262 Driftwood	314 Ozark
315 Galveston Gray	136 Pearl Gray	162 Charcoal	108 Black

Due to limitations of the printing process, colors above may vary. When specifying, obtain color samples by calling the factory.

Acrovyn® Chameleon™ Simulated Wood & Metal



Acrovyn Doors feature Acrovyn 4000 sheet which is Cradle to Cradle Certified™ Silver. Cradle to Cradle™ is a certified mark licensed by the Cradle to Cradle Innovation Institute.



Ask about our pre-matched custom colors. Due to limitations of the printing process, colors above may vary. When specifying, obtain color samples by calling the factory.

Product Selection Guide

The 1-3/4" thick Acrovyn® Door System features a full line of doors for high abuse areas. The chart below is designed to give a quick overview of the options currently available.

For Complete Product Selection, Visit: www.c-sgroup.com/acrovyn-doors

Our comprehensive site includes photos, details, specs, durability and fire test data, finishes and a complete line of accessories.



Style	Rating	Fire Door Category	Core	LEED® Credit Contributions	Core Density (lb/ft³)	Model	Maximum Door Sizes*4			Maximum Light Sizes	Light Kits	Light/Lock & Dimension Restrictions	Edges	Replaceable Stiles	Hinges	Hardware Approvals			
							Single	Pair	Double Egress							Exit Devices	Interactive Leaf Bolts	Closing Devices	Electric Raceways
Flush	Non-Rated*2	N/A	Particleboard	MR4	LD-2 32 lb/ft³	PC5-NR	4'3" x 9'	8'6" x 9'	8'6" x 9'	1,296 in² - All glass types	Wood beads; metal, veneer wrapped metal or Acrovyn vision panels	5" from any edge and 1-1/2" from any lockset or additional cutout	Replaceable- Fully wrapped Acrovyn or stainless steel	3/4" SCL; 1-1/2" for doors wider than 4'0"	All types including pivots	Surface mounted vertical rod, mortised or rim type, LBR (CVRs available for SCL only)	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available
			FSC Particleboard	MR4, MR7, IEQ4.4	LD-2 32 lb/ft³	FSC PC5-NR	4'3" x 9'	8'6" x 9'	8'6" x 9'	1,296 in² - All glass types									
			Agrifiber	MR4, MR6, MR7, IEQ4.4	26-28 lb/ft³	AF5-NR	4'3" x 9'	8'6" x 9'	8'6" x 9'	1,296 in² - All glass types									
			Structural Composite Lumber	MR4, MR7, IEQ4.4	38 lb/ft³	SCL5-NR	4'3" x 10'	8'6" x 10'	8'6" x 10'	2,814 in² - All glass types									
Flush	20 minute*2	Positive Pressure, Cat A + S label*1	Particleboard	MR4	LD-2 32 lb/ft³	PC5-20PP	4'3" x 9'	8' x 9'	8' x 9'	1,296 in² - Listed & labeled glass	Wood beads listed and labeled metal, veneer wrapped metal or Acrovyn vision panels	5" from any edge and 1-1/2" from any lockset or additional cutout	Replaceable- Fully wrapped Acrovyn or stainless steel	3/4" SCL; 1-1/2" for SG doors wider than 4'0"	Mortised or continuous hinges	Surface mounted vertical rod, mortised or rim type, LBR (CVRs available for SCL only)	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available
			FSC Particleboard	MR4, MR7, IEQ4.4	LD-2 32 lb/ft³	FSC PC5-20PP	4'3" x 9'	8' x 9'	8' x 9'	1,296 in² - Listed & labeled glass									
			Agrifiber	MR4, MR6, MR7, IEQ4.4	26-28 lb/ft³	AF5-20PP	4'3" x 9'	8' x 9'	8' x 9'	1,296 in² - Listed & labeled glass									
			Structural Composite Lumber	MR4, MR7, IEQ4.4	38 lb/ft³	SCL5-20PP	4'3" x 10'	8' x 10'	8' x 10'	2,814 in² w/out hose stream - listed & labeled glass; 1,296 in² w/hose stream - listed & labeled glass									
Flush	45 minute	Positive Pressure, Cat A + S label*1	Agrifiber	MR4, MR6, MR7, IEQ4.4	32 lb/ft³	AF5-45PP	4' x 9'	8' x 8'	8' x 8'	576 in² - listed and labeled glass	Listed and labeled steel kit, veneer wrapped steel kit, or Acrovyn vision panels	5" from any edge, lockset or additional cutout	Replaceable- Fully wrapped Acrovyn or stainless steel	3/4" mineral composite	Mortised or listed continuous, spring or invisible hinges	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available
			Mineral Composite	IEQ4.4	28-35 lb/ft³	FD5-45PP	4' x 9'	8' x 9'	8' x 9'	1296 in² - listed and labeled glass									
Flush	60 minute	Positive Pressure, Cat A + S label*1	Mineral Composite	IEQ4.4	28-35 lb/ft³	FD5-60PP	4' x 9'	8' x 9'	8' x 8'	100 in² - listed and labeled glass	Listed and labeled steel kit, veneer wrapped steel kit, or Acrovyn vision panels	5" from any edge, lockset or additional cutout	Replaceable- Fully wrapped Acrovyn or stainless steel	3/4" mineral composite	Mortised or listed continuous, spring or invisible hinges	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available
								100 in² - Pyrostop 7/8" or Keralite Ultra 7/8" glass required*3,*4											
Flush	90 minute	Positive Pressure, Cat A + S label*1	Mineral Core	IEQ4.4	28-35 lb/ft³	FD5-90PP	4' x 9'	8' x 9'	8' x 9'	100 in² - Listed and labeled low thermal transfer glazing (such as Keralite Ultra 7/8" (22.352 mm), Pyrobel 1-3/8" or Pyrostop 1-7/16")*4	Listed and labeled steel kit	5" from any edge or lockset, 5" from any additional cutout	Fully wrapped fixed Acrovyn or stainless steel	N/A	Mortised or listed continuous, spring or invisible hinges	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted	Available
Flush	Lead Lined Non-Rated 1/8" or 1/16" lead	N/A	Particleboard	MR4	LD-2 32 lb/ft³	LL-PC7-NR	4' x 8'	8' x 8'	8' x 8'	1,296 in² - Lead glass, 1/8" or 1/16" lead equivalency	Lead lined metal or Acrovyn vision panel	5" from any edge and 1-1/2" from any lockset or additional cutout	Replaceable- Fully wrapped fixed Acrovyn or stainless steel	N/A	Continuous hinges or pivots	Surface mounted vertical rod, mortised or rim type	Manual or automatic flush bolts	Surface mounted	N/A
			FSC Particleboard	MR4, MR7, IEQ4.4	LD-2 32 lb/ft³	FSC LL-PC7-NR				1,296 in² - Lead glass, 1/8" or 1/16" lead equivalency									
			Agrifiber	MR4, MR6, MR7, IEQ4.4	26-28 lb/ft³	LL-AF7-NR				1,296 in² - Lead glass, 1/8" or 1/16" lead equivalency									
			Structural Composite Lumber	MR4, IEQ4.4	38 lb/ft³	LL-SCL7-NR				2,814 in² - Lead glass, 1/8" or 1/16" lead equivalency									
Flush	Lead Lined 20 minute 1/8" or 1/16" lead	Positive Pressure, Cat A + S label*1	Particleboard	MR4	LD-2 32 lb/ft³	LL-PC7-20PP	4' x 8'	8' x 8"*2	N/A	N/A	N/A	N/A	Replaceable- Fully wrapped fixed Acrovyn or stainless steel	N/A	Listed continuous hinges	Surface mounted vertical rod, mortised or rim type	Manual or automatic flush bolts	Surface mounted	N/A
			FSC Particleboard	MR4, MR7, IEQ4.4	LD-2 32 lb/ft³	FSC LL-PC7-20PP				N/A									
			Structural Composite Lumber	MR4, IEQ4.4	38 lb/ft³	LL-SCL7-20PP				N/A									
Panel	Panel Non-Rated	N/A	Structural Composite Lumber	MR4, MR7, IEQ4.4	38 lb/ft³	PN-SCL5-NR	4' x 8'	8' x 8'	8' x 8'	Contact factory for panel/lite coordination	Wood beads; metal, veneer wrapped metal or Acrovyn vision panels	5" from any edge and 1-1/2" from any lockset or additional cutout	Replaceable- Fully wrapped fixed Acrovyn or stainless steel	3/4" SCL	All types including pivots	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available depending on panel model
Panel	20 minute	Positive Pressure, Cat A + S label*1	Structural Composite Lumber	MR4, MR7, IEQ4.4	38 lb/ft³	PN-SCL5-20PP	4' x 8'	8' x 8'	8' x 8'	Contact factory for panel/lite coordination	Wood beads listed and labeled metal, veneer wrapped metal or Acrovyn vision panels	5" from any edge and 1-1/2" from any lockset or additional cutout	Replaceable- Fully wrapped fixed Acrovyn or stainless steel	3/4" SCL	Mortised or continuous hinges	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available depending on panel model
Barrier Resistant	Non Rated	N/A	Structural Composite Lumber	MR4, MR7, IEQ4.4	38 lb/ft³	BR-SCL5-NR	4'3" x 10'	8'6" x 10'	8'6" x 10'	Contact factory for inner door/lite coordination	Wood beads; metal, veneer wrapped metal or Acrovyn vision panels	5" from any edge and 1-1/2" from any lockset or additional cutout	Replaceable- Fully wrapped fixed Acrovyn or stainless steel	3/4" SCL	All types including pivots	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available depending on barrier resistant door design
Barrier Resistant	20 minute	Positive Pressure, Cat A + S label*1	Structural Composite Lumber	MR4, MR7, IEQ4.4	38 lb/ft³	BR-SCL5-20PP	4'3" x 10'	8' x 10'	8' x 10'	Contact factory for inner door/lite coordination	Wood beads listed and labeled metal, veneer wrapped metal or Acrovyn vision panels	5" from any edge and 1-1/2" from any lockset or additional cutout	Replaceable- Fully wrapped fixed Acrovyn or stainless steel	3/4" SCL	Mortised or continuous hinges	Surface mounted vertical rod, mortised or rim type, LBR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available depending on barrier resistant door design

*1Installed with PEMKO listed and labeled category "H" smoke/draft control gaskets. *2Transom panels available on NR and 20 minute doors, contact the factory for more information. *3Other listed and labeled low thermal transfer glazing may be substituted for Pyrostop if available. *4Please check website for up-to-date information.

Doors available in 64 solid colors, 16 simulated woodgrain patterns and 2 simulated metal patterns. Solid colors available in Shadowgrain, Pebblette and Suede textures. Simulated woodgrains and simulated metals available in Suede texture. C/S has the right to change designs without notice. When specifying, please call a representative for updated design information.



Construction Specialties™

3 Werner Way, Lebanon, New Jersey 08833 U.S.A., 800-972-7214

895 Lakefront Promenade, Mississauga, Ontario L5E 2C2 Canada, 905-274-3611

🌐 www.c-sgroup.com



The C/S Family of Products

For more than 60 years, Construction Specialties has been a leader in architectural specialty products, including: Acrovyn® Wall and Door Protection, Pedisystems® Entrance Flooring, Expansion Joint Covers, Cubicle Track and Curtains, Smoke and Explosion Venting Systems, Architectural Grilles, Architectural Louvers and Sun Controls.

We have operations throughout the world and can provide C/S Products virtually anywhere. For a complete list of our international locations, visit www.c-sgroup.com.



For the nearest C/S representative, or literature and samples, call toll free 800-972-7214 in U.S.A. and 888-895-8955 in Canada, or visit www.c-sgroup.com

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