



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)



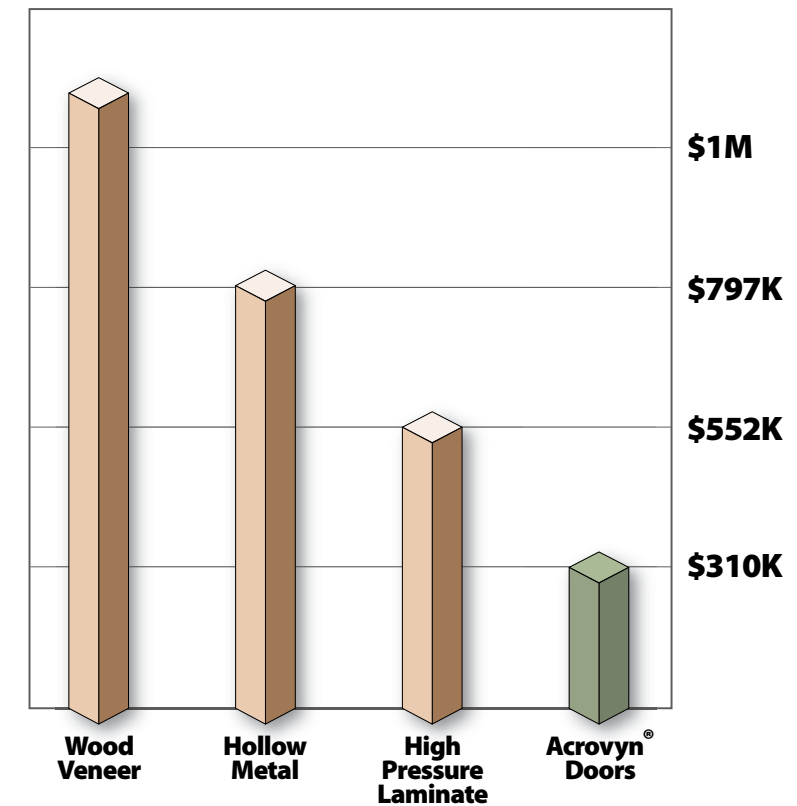
High Pressure Laminate



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 cleans 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.

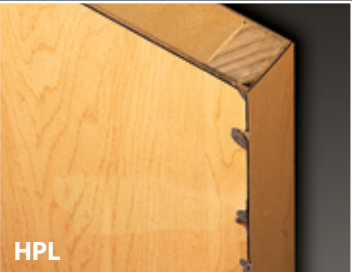
Over 90% of damage to facility doors occurs at the edges.

Only Acrovyn® Doors are available with replaceable stiles.

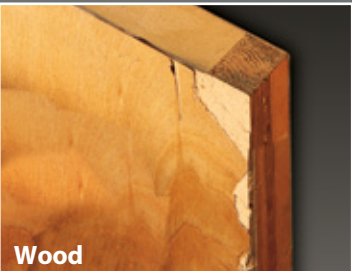
Ram Impact Tests* prove the Acrovyn Door's superiority.



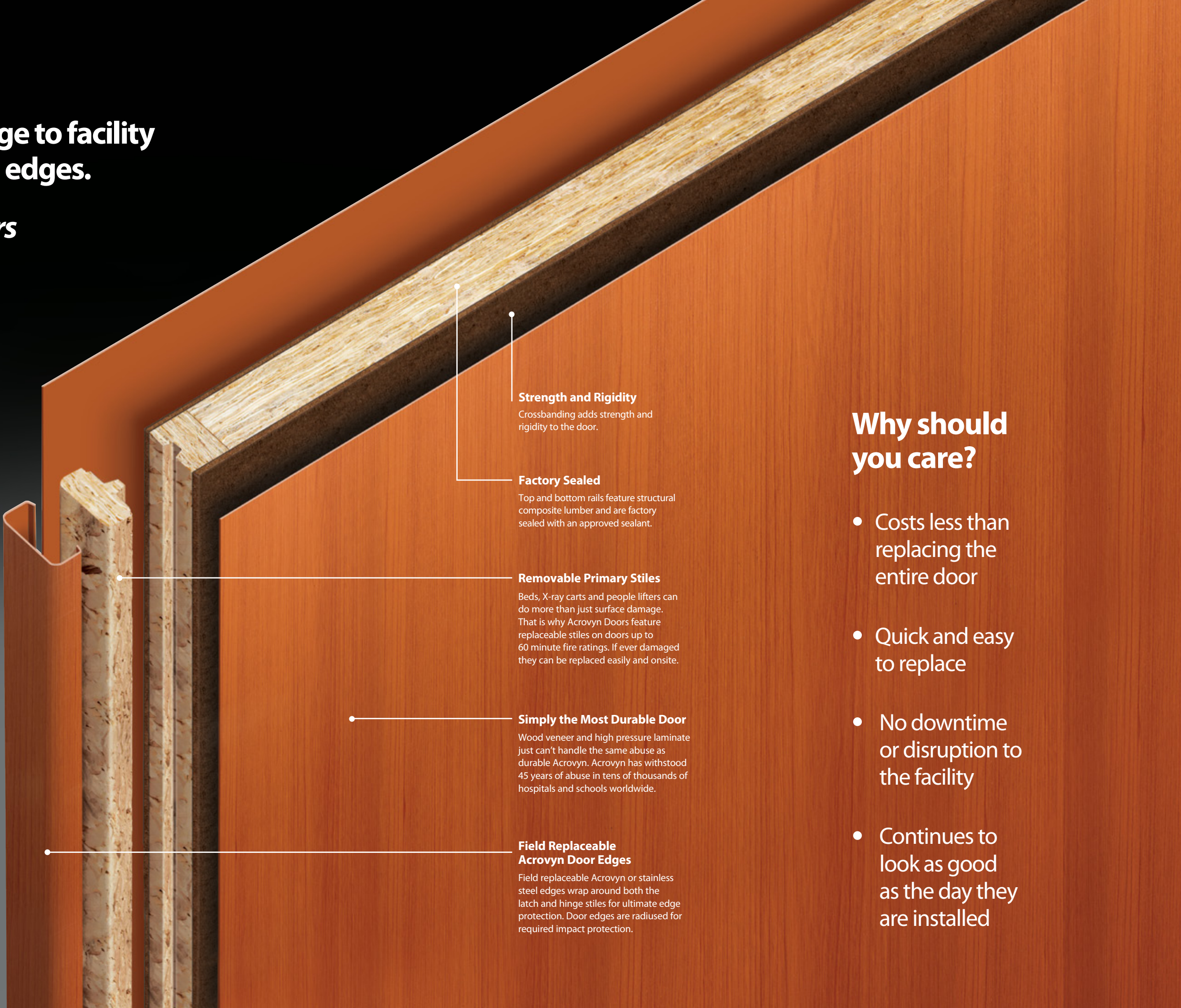
At a 8" drop a slight indentation in the Acrovyn occurred.



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



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



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 onsite.

Simply the Most Durable Door

Wood veneer and high pressure laminate 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 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

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



Chilton Memorial Hospital
 Pompton Plains, NJ
 Architect: Granary Associates



Vancouver Convention Center
 Vancouver, BC
 Architect: LMN Architects

"The door edging can take a beating and still look good. We use the replaceable stiles and love them!"

—Hendrick Medical Center

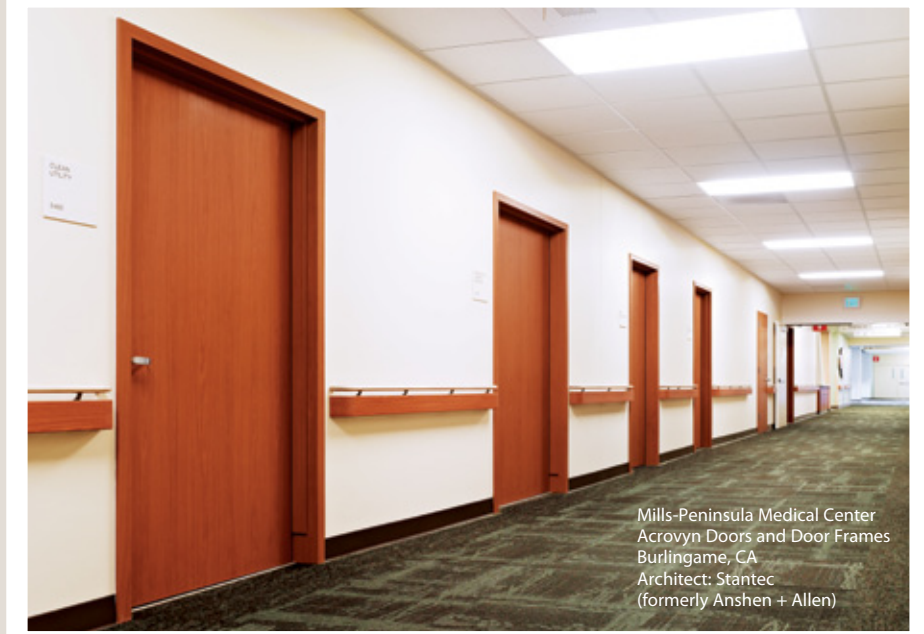
Acrovyn[®], the door everyone is talking about.

"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



Meadowview Terrace
 Clarksville, VA
 Architect: SFCS



Mills-Peninsula Medical Center
 Burlingame, CA
 Architect: Stantec (formerly Anshen + Allen)

Introducing Acrovyn® Panel Doors

Our warmest look yet...

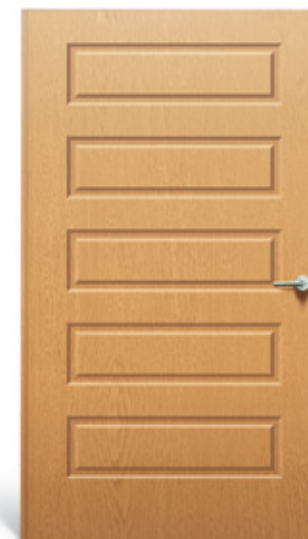
Designers who used the original Acrovyn® Doors asked us if we could manufacture panel doors for applications that require a less institutional feel. Offered in eight standard designs, C/S Acrovyn Non-Rated Panel Doors can be manufactured to your specific custom design requirement including shallow reveals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



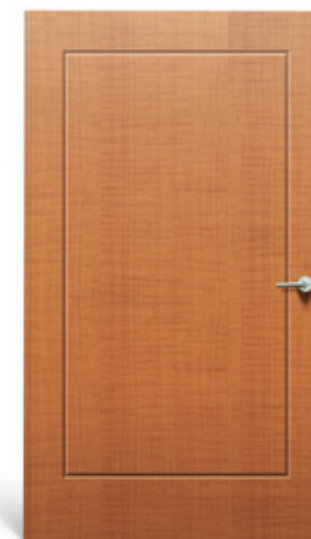
Berkeley



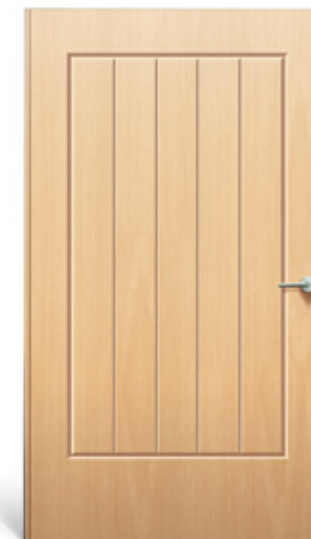
Montclair



Summit



Madison



Somerset



Chatham



Montgomery



Plymouth

The ultimate in durability meets the ultimate in sustainability.



Introducing the C/S Acrovyn® 4000 PVC-Free Door. It's not only the industry's most durable door, but now we offer a wide array of sustainable design combinations to meet your "Green and LEED®" requirements. Acrovyn Doors feature our durable New Acrovyn 4000 material that is completely free of PVC 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.



Durable, stylish and totally PVC free.

Acrovyn Doors feature PBT/PVC-Free Acrovyn 4000 sheet material, which is MBDC Cradle to Cradle Certified™ Silver in all 64 colors and 18 Chameleon simulated wood grain and metal patterns (see pages 18-21 for color selector charts).



The most environmentally friendly high-impact door

Rating	Model	Core	LEED® Credit Contributions	Total
Non-Rated	AF5-NR	Agrifiber	MR4, MR6, MR7, IEQ4.4	3-4*
	FSC PCS-NR	FSC Particleboard	MR4, MR7, IEQ4.4	2*
	PCS-NR	Particleboard	MR4	1
	SCL5-NR	Structural Composite Lumber	MR4, IEQ4.4	1
20 minute	AF5-NR	Agrifiber	MR4, MR6, MR7, IEQ4.4	3-4*
	FSC PCS-20PP	FSC Particleboard	MR4, MR7, IEQ4.4	2*
	PCS-20PP	Particleboard	MR4	1
	SCL5-20PP	Structural Composite Lumber	MR4, IEQ4.4	1
45 minute	FD5-AF-45PP	Agrifiber	MR4, MR6, MR7, IEQ4.4	3-4*
	FD5-45PP	Mineral Composite	IEQ4.4	1
60 minute	FD5-AF-60PP	Agrifiber	MR4, MR6, MR7, IEQ4.4	3-4*
	FD5-60PP	Mineral Composite	IEQ4.4	1
90 minute	FD7-90PP	Mineral Core	MR7, IEQ4.4	2*
Panel Non-Rated	SLL-NR-PNL	Structural Composite Lumber	MR4, IEQ4.4	1

* The value of any recycled wood fiber content that qualifies as contributing to MR Credit 4, Recycled Content Materials, shall be excluded from MR 7 Certified Wood calculations.

Whatever design you
imagine for your doors,
we can create.

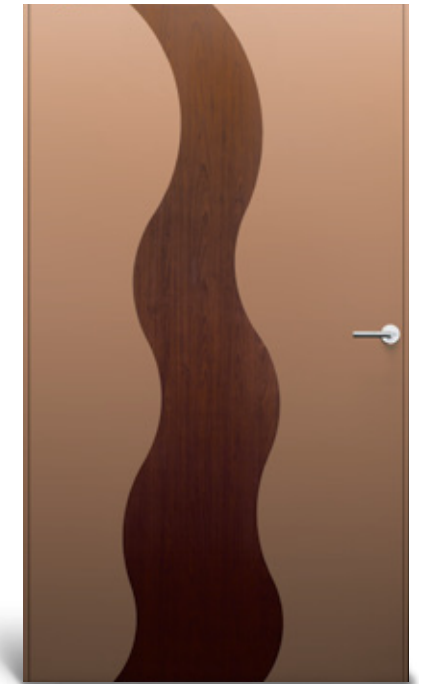


**The world's
toughest door
now comes in
custom designs.**

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.



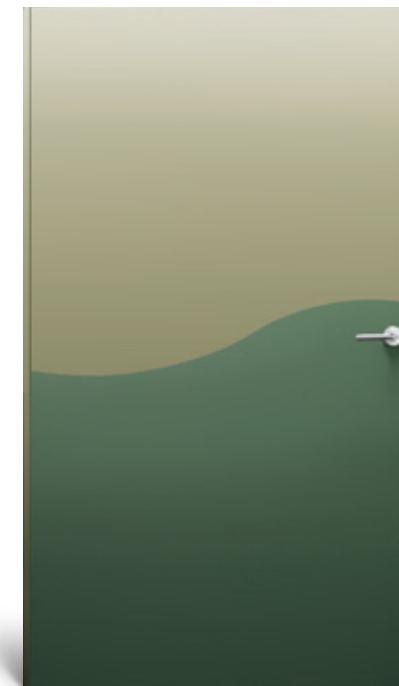
Acrovyn 930 Blue Silk, 957 Bluestone and
Acrovyn Chameleon 410 Brushed Silver



Acrovyn 105 Mocha and Acrovyn Chameleon
382 Cocoa Maple



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



The Acrovyn 4000 face material on Acrovyn Doors is MBDC Silver Certified. Cradle to Cradle Certified™ is a certification mark of MBDC.

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

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

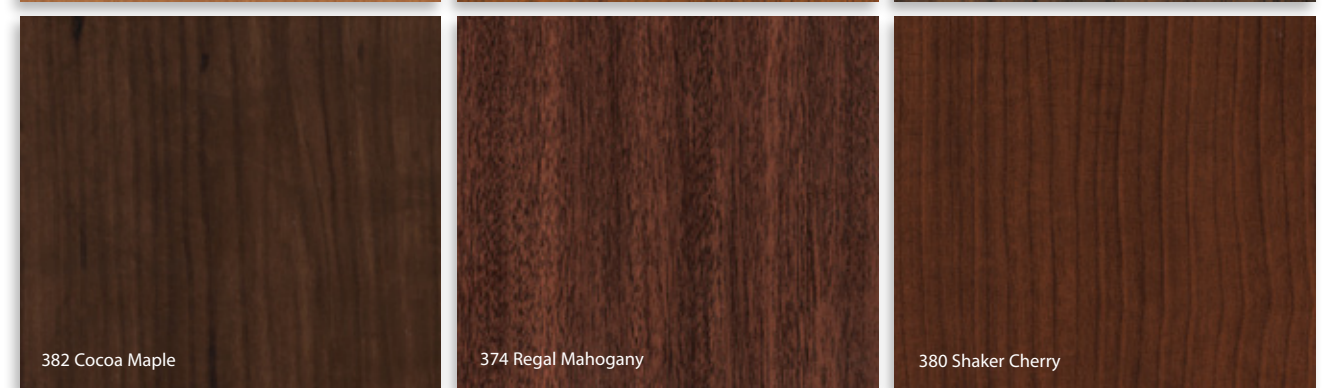
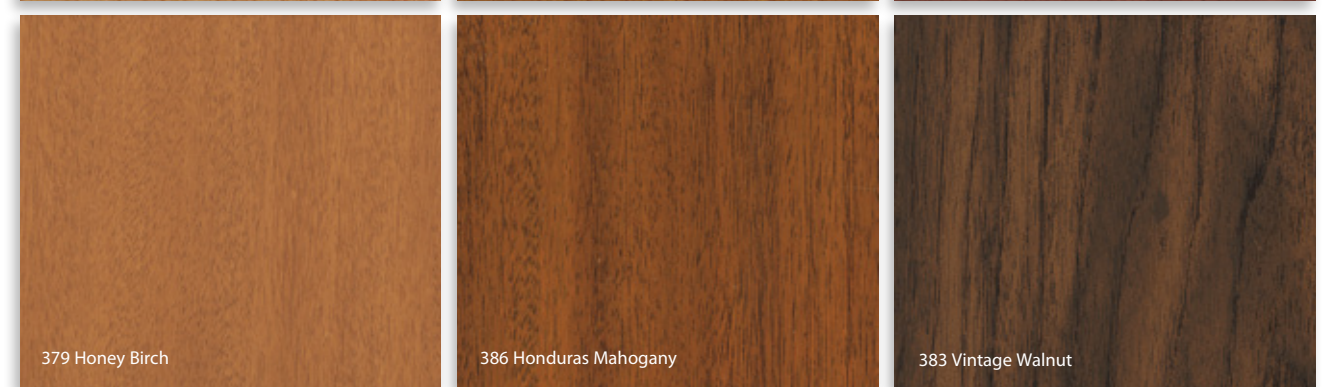
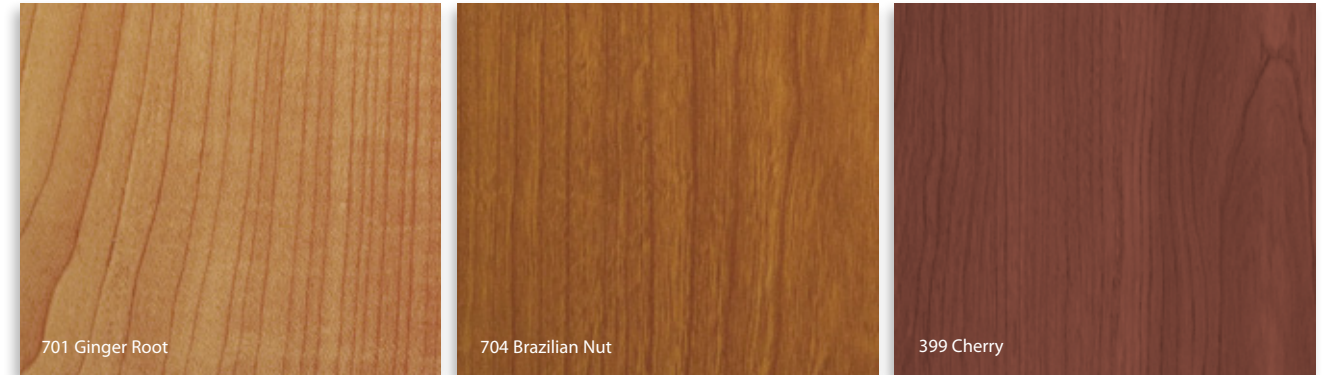
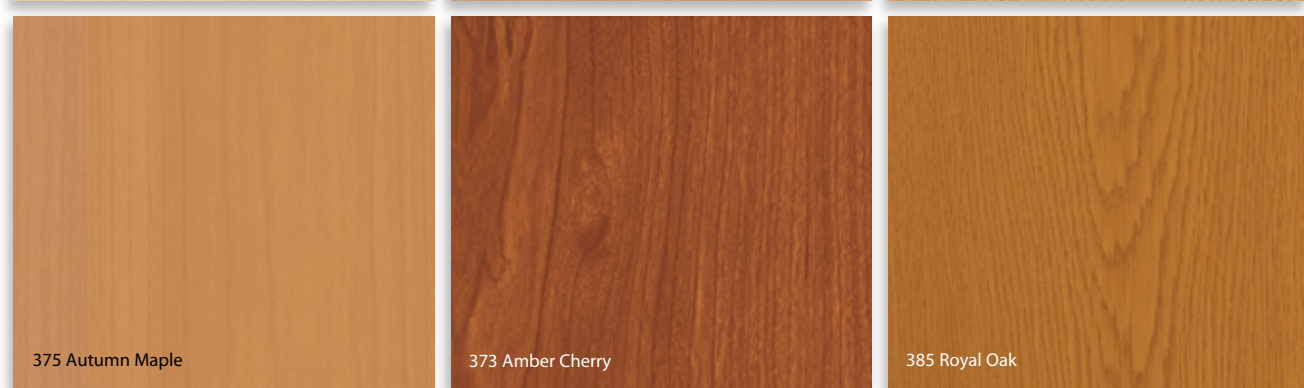
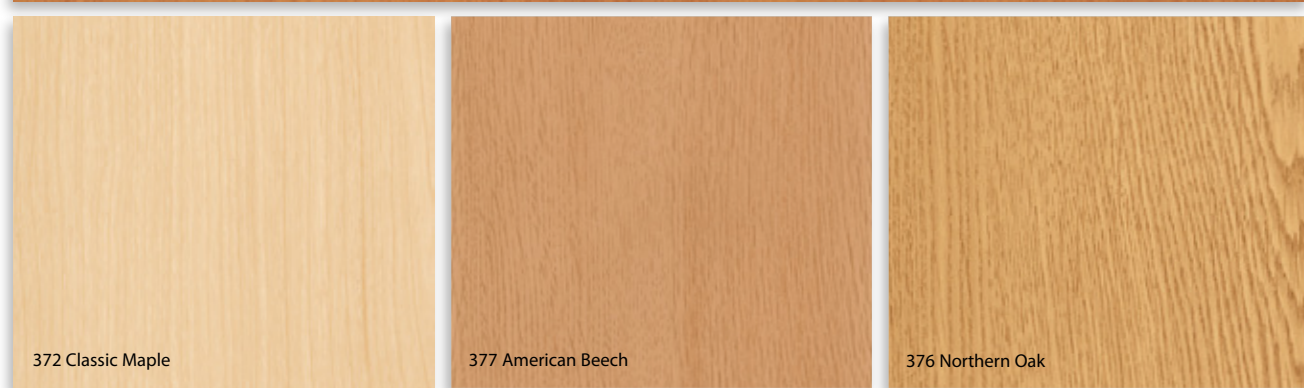
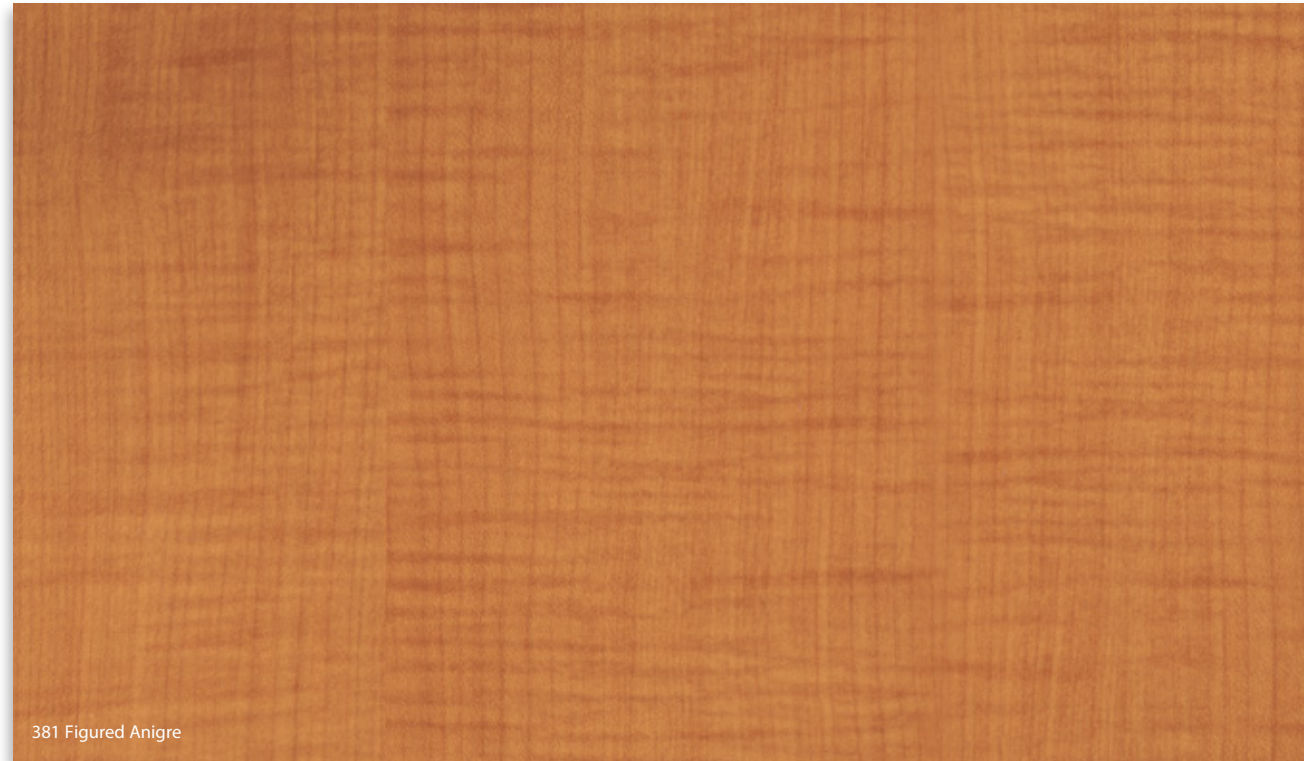
Call 800-233-8493 for updated color information.

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

Acrovyn® Chameleon™ Simulated Wood & Metal



Acrovyn Doors feature Cradle to Cradle Certified™ Silver Acrovyn 4000 sheet material. Cradle to Cradle Certified™ is a certification mark of MBDC.



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 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.



		Maximum Door Sizes													Hardware Approvals			
Rating	Fire Door Category	Single	Pair	Double Egress	Model	Core	Core Density	LEED® Credit Contributions	Maximum Light Sizes	Light Kits	Light/Lock & Dimension Restrictions	Edges	Replaceable Stiles	Hinges	Exit Devices	Interactive Leaf Bolts	Closing Devices	Electric Raceways
Non-Rated	N/A	 4'3" x 10'	 8'6" x 10'	 8'6" x 10'	PC5-NR	Particleboard	LD-2 32 lb/ft³	MR4	1,296 in²	Wood beads; metal, veneer wrapped metal or Acrovyn vision panels; Response CME	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, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available
					FSC PC5-NR	FSC Particleboard	LD-2 32 lb/ft³	MR4, MR7, IEQ4.4	1,296 in²									
					AF5-NR	Agrifiber	26-28 lb/ft³	MR4, MR6, MR7, IEQ4.4	1,296 in²									
					SCL5-NR	Structural Composite Lumber	38 lb/ft³	MR4, IEQ4.4	2,814 in²									
20 minute	Positive Pressure, Cat A + S label**	 4'3" x 8'	 8' x 8'	 8' x 8'	PC5-20PP	Particleboard	LD-2 32 lb/ft³	MR4	1,296 in²	Wood beads/ clips; listed and labeled metal, veneer wrapped metal or Acrovyn vision panels; Response CME	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, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Available
					FSC PC5-20PP	FSC Particleboard	LD-2 32 lb/ft³	MR4, MR7, IEQ4.4	1,296 in²									
					AF5-NR	Agrifiber	26-28 lb/ft³	MR4, MR6, MR7, IEQ4.4	1,296 in²									
					SCL5-20PP	Structural Composite Lumber	38 lb/ft³	MR4, IEQ4.4	2,814 in² w/out hose stream/1,296 in² w/hose stream									
45 minute	Positive Pressure, Cat A + S label**	 4' x 9'	 8' x 8'	 8' x 8'	FD5-AF-45PP	Agrifiber	32 lb/ft³	MR4, MR6, MR7, IEQ4.4	45 min AF-576 in²	Response CME 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
					FD5-45PP	Mineral Composite	28-35 lb/ft³	IEQ4.4	45 min Min-1296 in²									
60 minute	Positive Pressure, Cat A + S label**	 4' x 8'	 N/A	 N/A	FD5-AF-60PP	Agrifiber	32 lb/ft³	MR4, MR6, MR7, IEQ4.4	60 min Min - 100 in²	Response CME 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
					FD5-60PP	Mineral Composite	28-35 lb/ft³	IEQ4.4	60 min Min - 100 in²									
90 minute	Neutral Pressure or Positive Pressure, Cat A + S label**	 4' x 9'	 8' x 9'	 8' x 8'	FD7-90PP	Mineral Core	28-35 lb/ft³	MR7, IEQ4.4	100 in² w/ listed and labeled fire rated low thermal transfer glazing	Listed and labeled steel kit and veneer wrapped 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	Surface, manual or automatic flush bolts	Surface mounted	Available
Lead Lined Non-Rated 1/8" or 1/16" lead	N/A	 4' x 8'	 8' x 8'	 8' x 8'	LL-PC7-NR	Particleboard	LD-2 32 lb/ft³	MR4	1,296 in²	Lead lined metal or Acrovyn vision panel	5" from any edge and 1-1/2" from any lockset or additional cutout	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 LL-PC7-NR	FSC Particleboard	LD-2 32 lb/ft³	MR4, MR7, IEQ4.4	1,296 in²									
					LL-AF7-NR	Agrifiber	26-28 lb/ft³	MR4, MR6, MR7, IEQ4.4	1,296 in²									
					LL-SCL7-NR	Structural Composite Lumber	38 lb/ft³	MR4, IEQ4.4	2,814 in²									
Lead Lined 20 minute 1/8" or 1/16" lead	Positive Pressure, Cat A + S label**	 4' x 8'	 8' x 8'	N/A	LL-PC7-NR	Particleboard	LD-2 32 lb/ft³	MR4	N/A	N/A	N/A	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 LL-PC7-NR	FSC Particleboard	LD-2 32 lb/ft³	MR4, MR7, IEQ4.4	N/A									
					LL-SCL7-NR	Structural Composite Lumber	38 lb/ft³	MR4, IEQ4.4	N/A									
Panel Non-Rated	N/A	 4' x 8'	 8' x 8'	 8' x 8'	SCL-NR-PNL	Structural Composite Lumber	38 lb/ft³	MR4, IEQ4.4	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

*1: Installed with PEMKO listed and labeled category "H" smoke/draft control gaskets.

*2: Listed and labeled lead lined astragal required at meeting edges of pairs.

Doors available in 64 solid colors, 16 simulated woodgrains patterns and 2 simulated metals patterns. Solid colors available in Shadowgrain, Pebblette and Suede textures. Simulated woodgrains and simulated metals available in Suede texture.



Construction Specialties™

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

① 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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forests and other controlled sources
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