

c|sacrovyn®doors



Indestructible?



Construction Specialties™

What will your doors look like in six months?

Conventional doors don't stand up to daily abuse

Doors in hospitals, schools, and many offices are subjected to more damage than any other building component. Over time, standard wood and laminated doors become unsightly messes requiring constant repair or replacement.

Enter Acrovyn®, Exit Damage

The Acrovyn Door System was designed to look good on day one and to continue to look new for years to come. Key to the door's durability is the rugged Acrovyn material that's laminated to the faces of our door. Acrovyn is designed to take constant daily abuse and has proven itself in hospitals, schools, airports and commercial buildings for the past 40 years.

Complete Line of Products

Choose from non-rated, 20, 45, 60 and 90-minute fire rated and lead lined doors in a wide variety of sizes. A variety of vision panels or louvers can be incorporated. See pages 14-15 for a complete list of options, or call us at (800) 972-7214.



Acrovyn Doors is part of a total wall protection system. Acrovyn Handrails, Corner Guards, Crash Rails and Wall Covering protect tens of thousands of facilities around the world for over 40 years.





The Truth About Bacteria

Ten years ago the Institute of Healthcare Improvements (IHI) launched the 100K Lives Campaign to reduce the amount of deaths in American hospitals that were contributed to mistakes and post-surgery infections. Nationwide hospital infections are the eighth leading cause of death. Bacterial infections can be passed from almost anything to a patient. Damaged, split, and chipped doors represent a potential health hazard by acting as a breeding ground where bacteria can reside.

Not with C/S Acrovyn® Doors!

“Acrovyn Doors... finally a product that lives up to its reputation.”

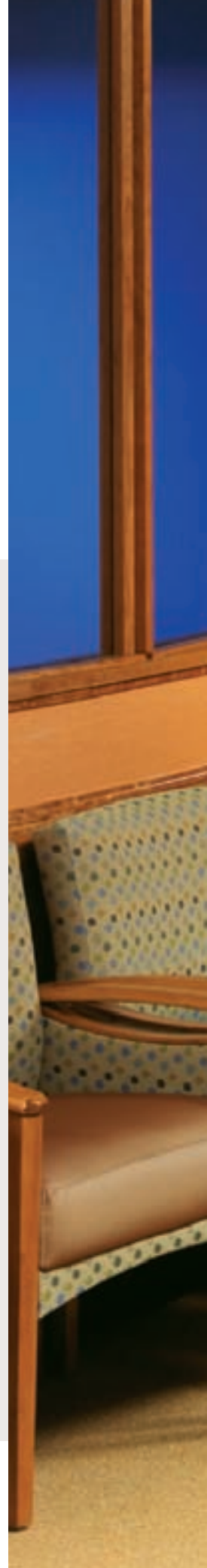
— Blaine Jones, Supervisor of Facilities,
Avera Behavioral Health Center



The Avera Behavioral Health Center is South Dakota’s premier mental health facility. From experience, Avera Behavioral Health Center’s Administrator and facility personnel recognized that **standard wood doors would never hold up** in their facility, and any product requiring **constant repair or replacement would be highly disruptive to their patients**. Acrovyn Doors were specified throughout Avera Behavioral Health Center and have been in use for over 18 months. Blaine Jones, Supervisor of Facilities, is **“absolutely delighted with the Acrovyn Doors’ performance** at the center. The Acrovyn Doors have held up against all kinds of impact at our facility, and are extremely easy to clean.” According to Jones, “the Acrovyn Doors not only eliminated the typical institutional feel, but they look beautiful even after 18 months.”

Steve Lindquist,
Executive Director

Blaine Jones,
Supervisor of Facilities





Acrovyn® Doors – Rigorously tested to stand up to constant abuse.

Unlike standard wood or high pressure laminate doors, the new Acrovyn Door **will not tear, chip or crack**. Manufactured in our Pennsylvania plant, every Acrovyn Door features **rugged Acrovyn laminate** that's five times as abrasion resistant as wood and **twice as resistant** as **HPL**. To provide additional protection for a longer door life, the stiles on the Acrovyn Door are **field replaceable if ever damaged**.

Field Replaceable Acrovyn Door Edge Guard

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



Replacing the Acrovyn Door edge is simple.

If ever damaged, the Acrovyn Door's edge guard and secondary stile is easily replaced. See www.c-sgroup.com/door for simple instructions.

Stile & Rail Options

Wood or mineral composite stiles and rails provide screw/fastener holding power.

Removable Primary Stile

Stiles are also replaceable if ever damaged.

Factory Sealed

Top and bottom rails are factory sealed with an approved sealant.

Strength and Rigidity

Tempered hardboard crossbanding adds strength and rigidity to the door.

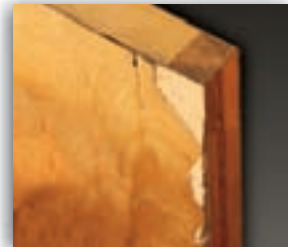
Core Options

Various solid cores are available for non-rated and 20-minute fire ratings or mineral core for 45, 60 and 90-minute ratings.

Simply the Most Durable Door

Wood and laminate doors just can't handle the same abuse as durable Acrovyn sheet. Acrovyn has withstood 40 years of abuse in tens of thousands of hospitals and schools worldwide.

Ram Impact Tests



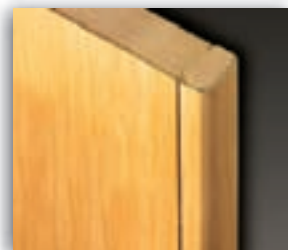
Wood

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



HPL

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



Acrovyn

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

Wear Tests



Wood

At 1,500 cycles varnished Maple failed.



HPL

At 10,000 cycles wear is clearly evident.



Acrovyn

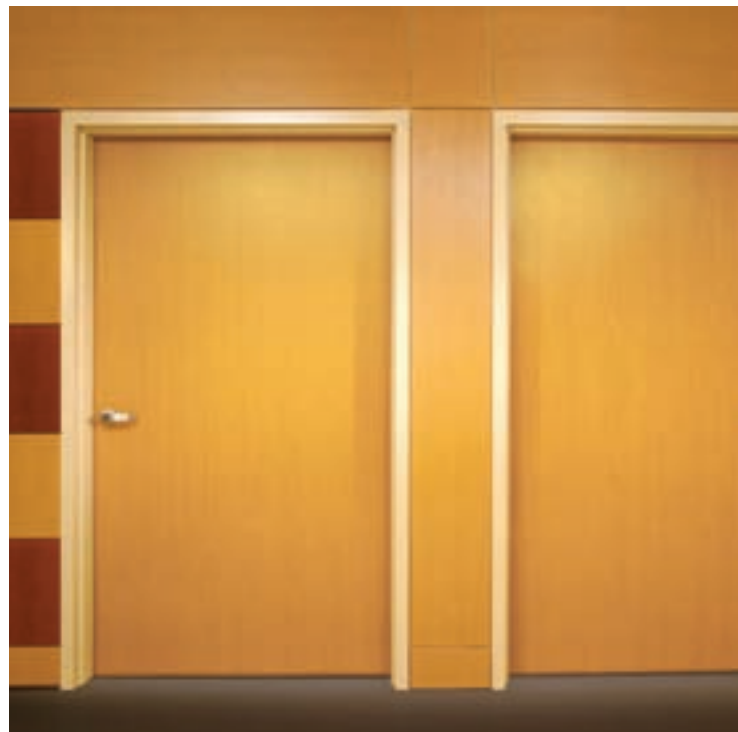
At 28,000 cycles no wear was evident.

U.S. Design Patents: D512,785S;
D515,713S; D517,224S; D517,701S;
D518,185S

C/S Acrovyn® Doors on the job at a location near you.



- 1 Avera Behavioral Health Center, Sioux Falls, SD - BWBR
- 2 Banner Gateway Medical Center, Gilbert, AZ - Orcutt/Winslow
- 3 Digestive Health Waldon Endoscopy Center, Tacoma, WA - Collins Woerman
- 4 Scottsdale Healthcare, Scottsdale, AZ
- 5 Scottsdale Healthcare, Scottsdale, AZ
- 6 Digestive Health Waldon Endoscopy Center, Tacoma, WA - Collins Woerman
- 7 Avera Behavioral Health Center, Sioux Falls, SD - BWBR
- 8 Banner Gateway Medical Center, Gilbert, AZ - Orcutt/Winslow



To find out how these doors are performing call (800) 972-7214 for references.





Acrovyn® Doors give
you tons of options.

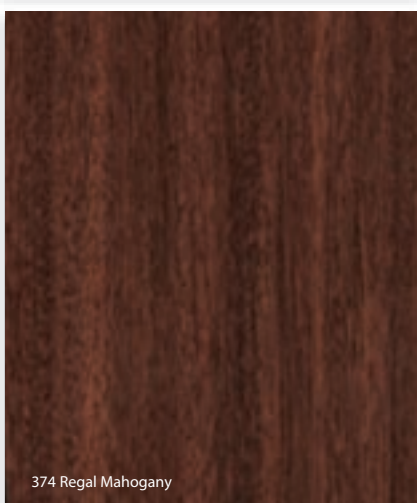
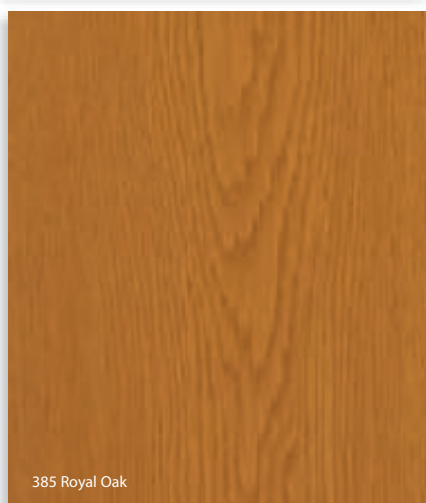
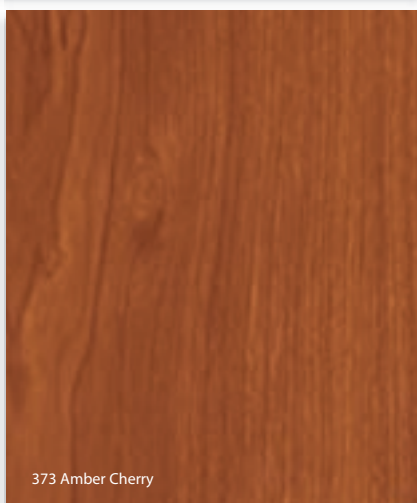
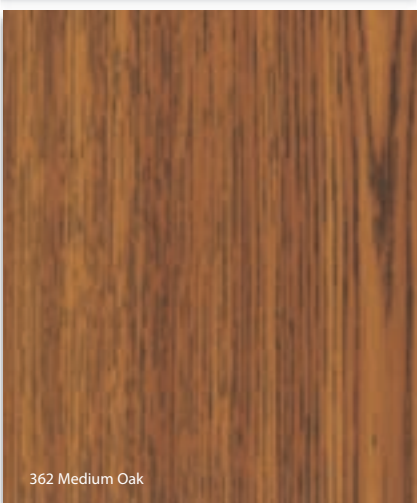


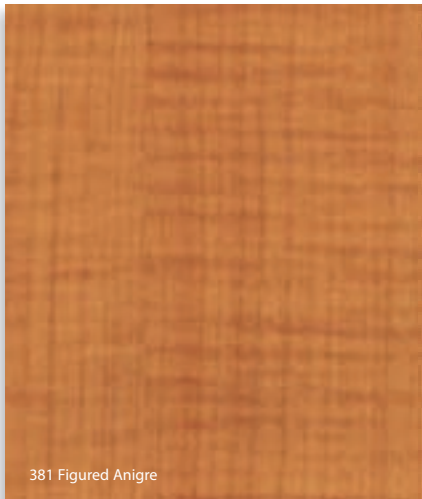
Acrovyn Solid Colors



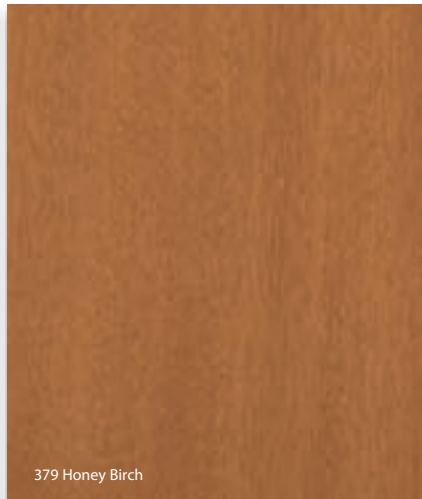
 PVC-free Acrovyn 3000 is available in these 26 colors only.  These 28 colors may be subject to longer lead times. Ask about our pre-matched custom colors. Due to limitations of the printing process, colors above may vary. When specifying, obtain color samples by calling factory.

Acrovyn® Chameleon™ Simulated Wood & Metal





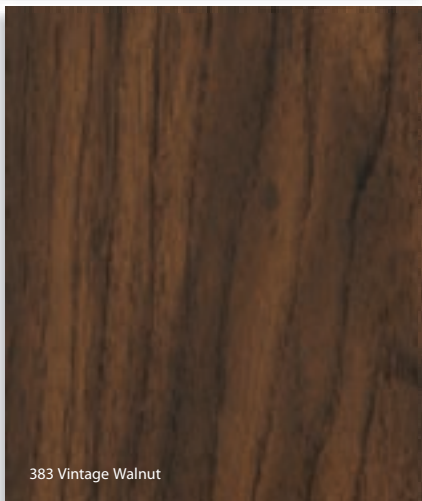
381 Figured Anigre



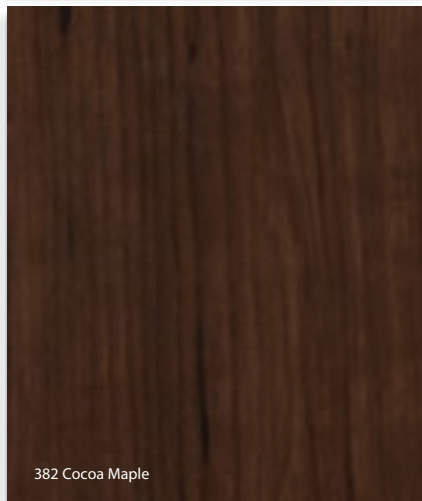
379 Honey Birch



386 Honduras Mahogany



383 Vintage Walnut



382 Cocoa Maple

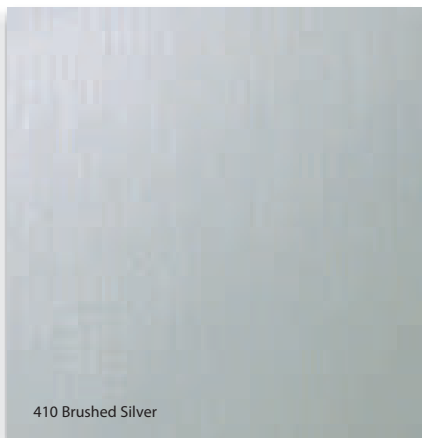


380 Shaker Cherry

Acrovyn Chameleon Metal



378 Brushed Nickel



410 Brushed Silver

Stainless Steel For Stile Guard Only


























Stainless Steel No. 4

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 Acrovyn® Door System features a full line of door products for high abuse areas. The chart below is designed to give a quick overview of the options currently available.

Door Type	Model	Fire Rating	Maximum Door Sizes			Thickness	Standard Core	Replaceable Stile	Fixed Interior Stile	Acrovyn Textures	Cross Banding
			Single	Pair	Double Egress						
Non-Rated	PCS-NR	N/A	 4'3" x 8'	 8'6" x 8'	 8'6" x 8'	1-3/4"	 Particleboard 32 lb/ft ² *	3/4" Wood	1-3/8" Wood or SCL (before trimming)	Solid Colors: Pebblette, Suede and Matte Wood Grains: Suede	1/8" FSC tempered hardboard
20 minute	PCS-20PP +S Label ¹	Positive Pressure, Cat A	 4'3" x 8'	 8' x 8'	 8' x 8'	1-3/4"	 Particleboard 32 lb/ft ² **	3/4" Wood	1-3/8" Wood or SCL (before trimming)	Solid Colors: Pebblette, Suede and Matte Wood Grains: Suede	1/8" FSC tempered hardboard
45 & 60 minute	FD5-45PP/ FD5-60PP +S Label ¹	Positive Pressure, Cat A	 4' x 8'	 8' x 8'	 8' x 8'	1-3/4"	 Mineral	3/4" Mineral composite/wood with intumescent	1-1/2" Mineral composite/wood (before trimming)	Solid Colors: Pebblette, Suede and Matte Wood Grains: Suede	1/8" FSC tempered hardboard
90 minute	FD7-90PP or FD7-90 +S Label ¹	Positive Pressure, Cat A or Neutral Pressure, Cat A	 4' x 8'	 8' x 8'	 8' x 8'	1-3/4"	 Mineral	N/A	1-1/4" Mineral composite/wood (before trimming)	Solid Colors: Pebblette, Suede and Matte Wood Grains: Suede	Solid Hardwood
Lead Lined non-rated	LL-PC7-NR 1/8" or 1/16" Lead Balanced Construction	N/A	 4' x 8'	 8' x 8'	 8' x 8'	1-3/4"	 Particleboard 32 lb/ft ² *	N/A	1-3/8" Wood or SCL (before trimming)	Solid Colors: Pebblette, Suede and Matte Wood Grains: Suede	1/8" FSC tempered hardboard
Lead Lined 20 minute	LL-PC7-NR 1/8" or 1/16" Lead Balanced Construction	Positive Pressure, Cat A	 4' x 8'	 8' x 8'	N/A	1-3/4"	 Particleboard 32 lb/ft ² **	N/A	1-3/8" Wood or SCL (before trimming)	Solid Colors: Pebblette, Suede and Matte Wood Grains: Suede	1/8" FSC tempered hardboard

¹ Structural composite lumber, non-urea formaldehyde/rapidly renewable agrifiber and FSC particleboard cores also available
² Structural composite lumber and FSC particleboard cores also available

For Complete Product Selection Visit: www.c-sgroup.com/door

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



			Hardware Approvals							
Face Finishes	Edges	Lights	Hinges	Locks	Exit Devices	Interactive Leaf Bolts	Closing Devices	Door Bottoms	Electric Raceways	Blocking
 All Colors & Patterns	Replaceable- Fully wrapped Acrovyn or Stainless steel	 No limit ²	All types including pivots	Cylindrical or Mortise	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Surface mounted or mortised door bottoms	Available	5" top and/or bottom rails, 5" or 10" center rails, 5" x 10" lock blocks and corner blocks are available.
 All Colors & Patterns	Replaceable- Fully wrapped Acrovyn or Stainless steel	 1296 in ²	Mortised or continuous hinges	Cylindrical or Mortise	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed ¹	Surface mounted or mortised door bottoms	Available	5" top and/or bottom rails, 5" or 10" center rails, 5" x 10" lock blocks and corner blocks are available.
 All Colors & Patterns	Replaceable- Fully wrapped Acrovyn or Stainless steel	 45 min–1296 in ² , 60 min–960 in ²	Mortised, or listed continuous, spring or invisible hinges	Cylindrical or Mortise	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted or concealed	Surface mounted or mortised door bottoms	Available	5" top and/or bottom rails, 5" or 10" center rails, 5" x 10" lock blocks and corner blocks are available.
 All Colors & Patterns	Banded Acrovyn or wrapped 20ga Stainless steel	 100 in ²	Mortised, or listed continuous, spring or invisible hinges	Cylindrical or Mortise	Surface mounted vertical rod, mortised or rim type, LBR, CVR	Surface, manual or automatic flush bolts	Surface mounted	Surface mounted or mortised door bottoms	Available	5" top and/or bottom rails, 5" or 10" center rails, 5" x 10" lock blocks and corner blocks are available.
 All Colors & Patterns	Fully wrapped Acrovyn or Stainless steel	 100 in ²	Continuous hinges or pivots	Cylindrical or Mortise	Surface mounted vertical rod, mortised or rim type	Automatic or manual	Surface mounted	Surface mounted	N/A	5" top and/or bottom rails, 5" or 10" center rails, 5" x 10" lock blocks and corner blocks are available.
 All Colors & Patterns	Fully wrapped Acrovyn or Stainless steel	N/A	Listed continuous hinges	Cylindrical or Mortise	Surface mounted vertical rod, mortised or rim type	Automatic or manual	Surface mounted	Surface mounted	N/A	5" top and/or bottom rails, 5" or 10" center rails, 5" x 10" lock blocks and corner blocks are available.

¹Contact factory for approved hardware

²Contact factory for lightlock and vertical dimension restrictions

³Installed with PEMKO listed and labeled category "H" smoke/draft control gaskets



Construction Specialties™

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

📍 www.c-sgroup.com



The C/S Family of Products

For 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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