





Acrovyn® Doors

Architects and designers choose Acrovyn Doors for their broad range of colors and patterns as well as the ability to withstand heavy facility traffic to meet the extensive design needs of their clients. Page 4



Acrovyn® Panel Doors

Any specific design or durability requirement can be met using our standard or custom options. Page 12



Acrovyn Doors by Design™

Our virtually indestructible doors can now include signage, messaging, photographs and graphic images. Design and durability are no longer mutually exclusive. Page 14



Acrovyn® Doors for Behavioral Health Facilities

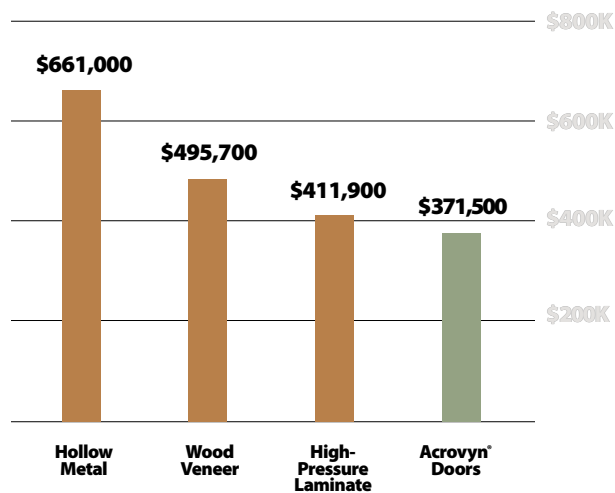
Barrier-resistant doors for specialized areas are available in a variety of design options to create a warm environment for patients and staff. Page 18

Acrovyn Doors—the right choice

Our Acrovyn Door is made with a sturdy inner core, clad in durable Acrovyn®, and features rounded, field-replaceable stiles and edges for the ultimate in protection against heavy abuse. No other door with similar features can compare yet provide as many benefits and customizable elements. Found in hundreds of facilities worldwide, Acrovyn Doors are the impact-resistant choice for high-traffic areas.

Cheap doors aren't so cheap.

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



We collected data from over 30 hospitals, hotels, schools, assisted living and skilled nursing facilities across the United States to compare the total cost of the purchase and maintenance of 500 doors over a ten-year period. We included our Acrovyn Doors along with wood veneer, hollow metal and plastic laminate doors in the study. **The results of our in-depth analysis show that our doors would cost \$124,000 less than wood doors and \$40,000 less than plastic laminate.** For a copy of the study, call 800.416.6586 or contact your local CS representative.



There are no other doors available that give you all the benefits of our Acrovyn Doors.



Our doors are third-party tested to withstand 2,000,000 cycle slams, which is double the Window and Door Manufacturers Association testing standard.



Acrovyn can easily be cleaned with non-abrasive cleaners.



Our doors are bacterial- and fungal-resistant. For testing data, please call 800.416.6586.



Our doors are made of environmentally friendly, PVC-free material—at no extra charge. Our standard line of doors are now *Cradle to Cradle Certified™ Silver*.



All our doors can help to contribute toward LEED® v4 credits.

Most door damage occurs at the edges.

That's why Acrovyn® Doors feature radiused edges for extra impact protection.

Impact tests* prove the Acrovyn Door's superiority.



Acrovyn

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



High-Pressure Laminate (HPL)

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



Wood

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

Only Acrovyn Doors are available with replaceable stiles and edges.



Cost less than replacing the entire door




Quick and easy to replace



No downtime or disruption to the facility



Continue to look as good as the day they were installed



Strength and Rigidity
Crossbanding adds strength and rigidity to the door.

Simply the Most Durable Door
Wood veneer and high-pressure laminate just can't handle the same abuse as durable Acrovyn.

Field Replaceable Acrovyn Door Edges & Stiles
Carts, furniture, equipment and foot traffic damage not only the surface of the door, but the edges as well. Acrovyn Doors feature field-replaceable stiles and edges on doors with up to a 90-minute fire rating. These stiles and edges can easily be replaced on site if they ever get damaged.



Edge of a Lifetime Warranty
We will warranty the Acrovyn edges against damage for the lifetime of the door.



Acrovyn® Doors

Redefining durability and transforming design







Acrovyn Doors check in and door damage checks out

When it comes to guest rooms, meeting/conference rooms, service areas or public areas in your hotel, **you don't need to sacrifice aesthetics for durability.** Acrovyn® Doors are highly aesthetic with endless design options, choosing from solid colors, woodgrain patterns, various panel designs and customized graphics/artwork. **We can provide solutions to fit any unique interior design scheme,** customized to meet your specific needs. With Acrovyn Doors by Design™, design flexibility + durability = freedom to create stunning interiors that last. **Acrovyn® Doors allow you to make a stunning first impression and memorable experience for hotel guests.**



Project: Hotel Nikko – San Francisco, CA

**Durability that looks
good anywhere**



Guest Rooms



Service Areas



Conference Rooms

“ Acrovyn Doors were created for durability and we needed to make sure our doors lasted. Plus, Acrovyn Doors look great doing their job. ”

— **RUSSELL PALACIO**

Director of Engineering at Hotel Nikko



Montclair
(1352 Fossil Teak)



Summit
(376 Northern Oak)



Madison
(381 Figured Anigre)



Somerset
(372 Classic Maple)

ACROVYN® PANEL DOORS

The industry's most durable door—available in designer and custom panel options

Our panel doors can promote a warm, non-institutional atmosphere in any facility. **These doors can be manufactured to your specific functional requirements** (such as shallow reveals for easy cleaning) in any of our eight standard panel designs.



Bring your vision to life.

Explore new ways to bring warmth to your facility with custom panel doors. To discuss your design requirements, please call an Acrovyn Door specialist at 800.416.6586.



Chatham
(386 Honduras Mahogany)



Montgomery
(399 Cherry)



Plymouth
(1353 Legacy Maple)



Berkeley
(1351 Smokey Elm)



The Palette



Your canvas—Acrovyn Doors by Design



Wayfinding



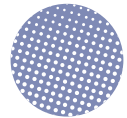
Photography



Illustration



Any Custom Color



Textures



Patterns

Properly used imagery can have a positive impact on learning, healing, productivity and overall outlook. With Acrovyn by Design®, virtually any image, message or color can be reproduced to create stunning interiors that last. Patterns, photographs, logos and more can safely be embedded behind our durable PVC-free Acrovyn to minimize damage concerns. Acrovyn Doors by Design open a new realm of possibilities.

📞 For complete details, call an Acrovyn Door specialist at 800.416.6586.



EXIT

CAUTION

Designing a fun, kid-friendly environment at Yale New Haven Children's Hospital

When it was time to renovate the pediatric MRI suite at the **Yale New Haven Children's Hospital**, designers focused on the emotional needs of young patients and their families.

Institutional-looking walls and the cold, stainless steel finishes of testing equipment can contribute to a young patient's fear and anxiety. To reduce negative feelings and create a comfortable, healing space, a kid-friendly environment was needed to evoke fun and lift spirits. With patients, staff and equipment continually moving throughout the suite each day, the use of highly durable materials was paramount.

CS worked closely with Turner Construction of New Haven, CT, and Kelley Bros of Trumbull, CT, to execute this first-of-its-kind project. Imagery and design were provided by BAM Architecture Studio of New York City. This collaboration led to an imaginative masterpiece that will comfort and ease the minds of children and their families for years to come.

“Custom graphic mediums were used to create a seamless playful environment throughout the MRI suite, distracting young patients from imaging equipment.”

— DANIEL AHN
BAM Architecture Studio



Location:
New Haven, CT

Architect:
BAM Architecture Studio

Product:
Acrovyn Doors by Design



WL 4131
4131

WL 4131
4131



Specialized door solutions for behavioral health facilities

As with other healthcare environments, behavioral health facilities must protect their doors against continual impact damage. These facilities also have certain requirements for patient safety. **Our barrier-resistant doors offer a unique solution for designated areas in behavioral health facilities.** Fire-rated up to 20 minutes, this model is durable, easy to clean and available in our standard colors and Chameleon™ patterns as well as Acrovyn by Design®. The outer leaf features field-replaceable stiles and edges to extend the life of the door.



Barrier-resistant door

Barrier-resistant doors feature a small, compact door within the main one. The compact door provides staff easy access to a room if a barricade is used by a patient.

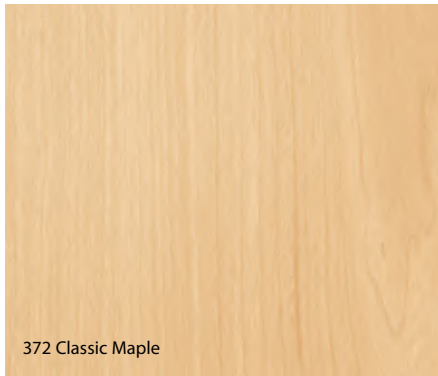


"Patient room and corridor doors play a significant role in the visual ambience of inpatient units. However, codes and regulations also have a lot to say about the doors going into a behavioral health facility. One solution that meets all of these elements of the patient room and corridor doors is CS Acrovyn Doors. They can provide a variety of durable aesthetic options and a selection of choices in the design to suit the needs of many projects."

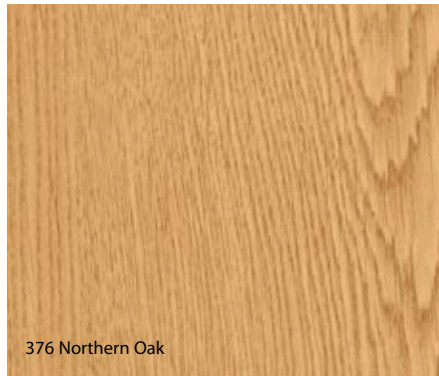
James M. Hunt, AIA, NCARB
President of Behavioral Health
Facility Consulting, LLC

These doors are intended for staff access only and are not for use as security or detention doors.

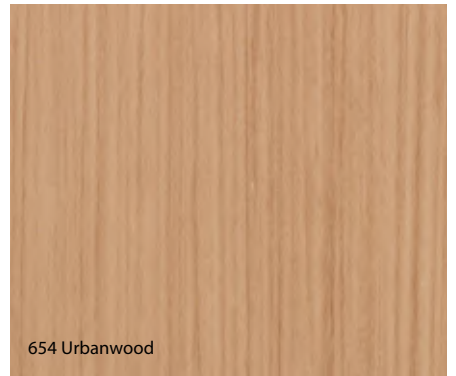
ACROVYN® CHAMELEON™ PATTERNS



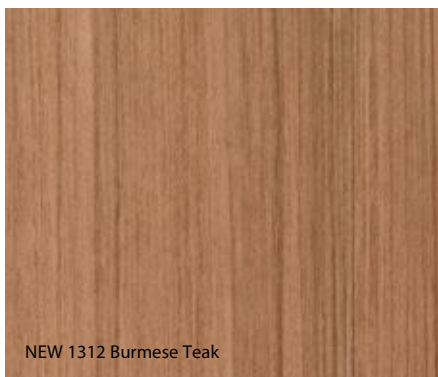
372 Classic Maple



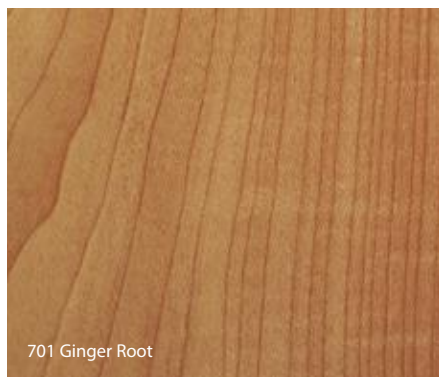
376 Northern Oak



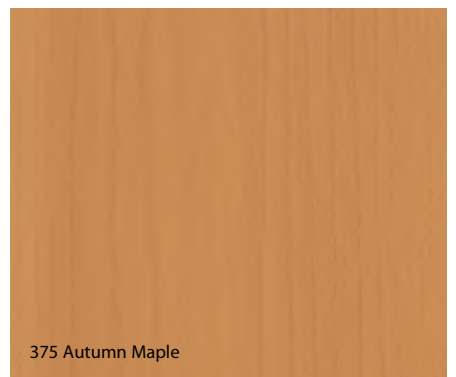
654 Urbanwood



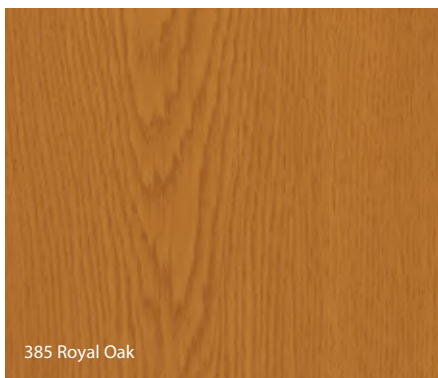
NEW 1312 Burmese Teak



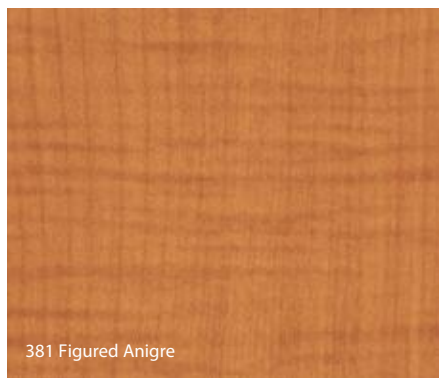
701 Ginger Root



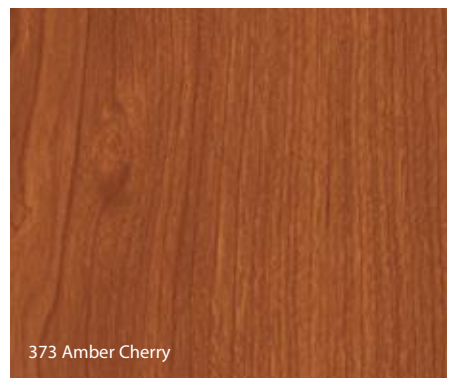
375 Autumn Maple



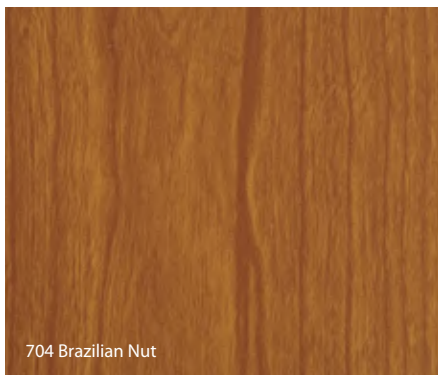
385 Royal Oak



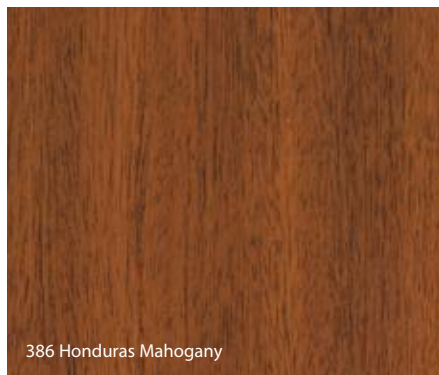
381 Figured Anigre



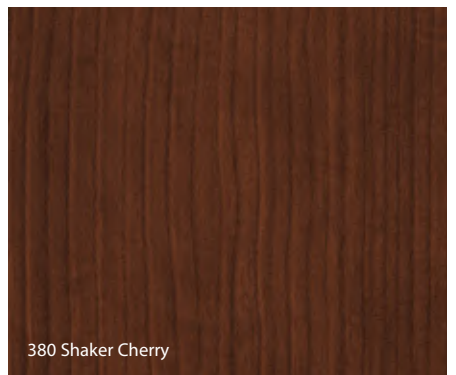
373 Amber Cherry



704 Brazilian Nut

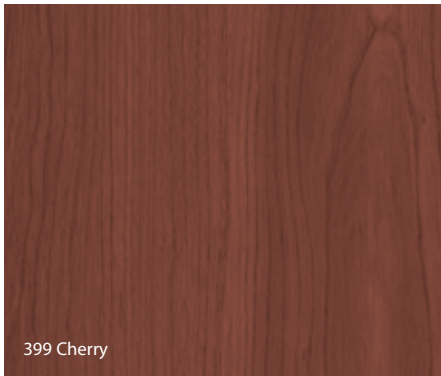


386 Honduras Mahogany

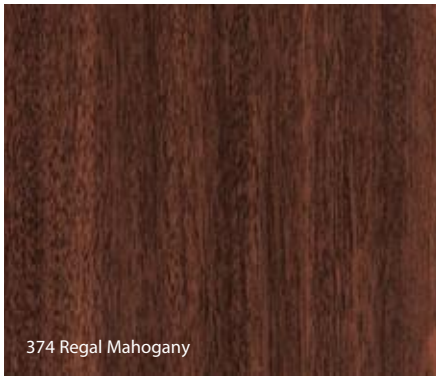


380 Shaker Cherry

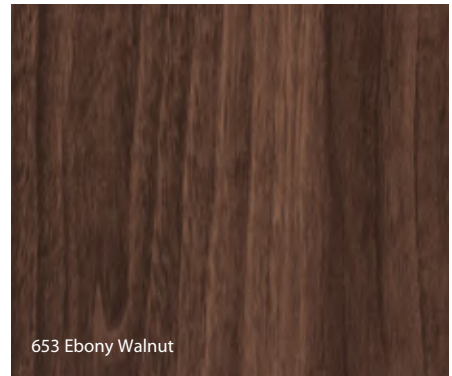
Ask about our pre-matched custom colors.



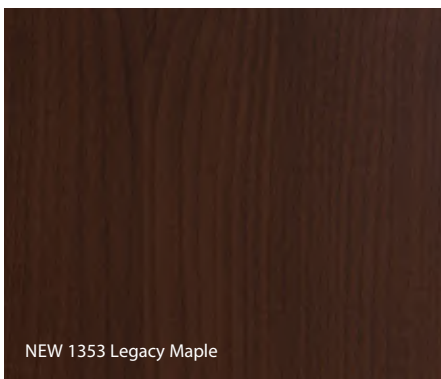
399 Cherry



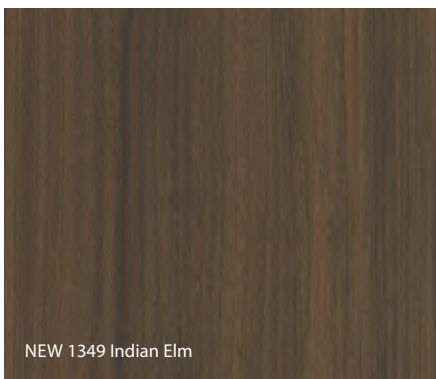
374 Regal Mahogany



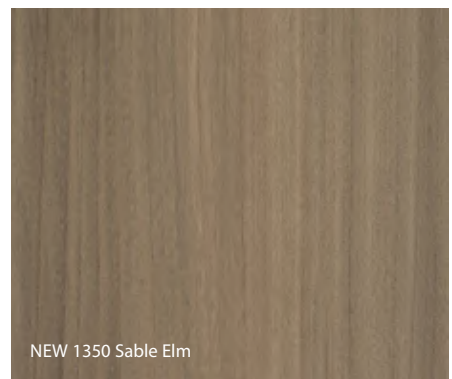
653 Ebony Walnut



NEW 1353 Legacy Maple



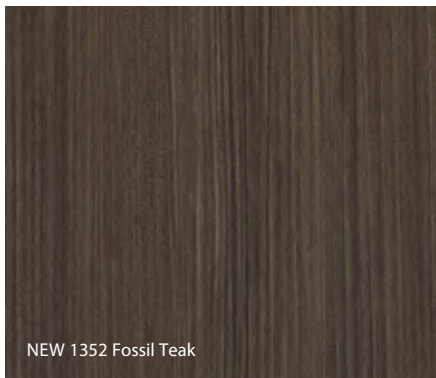
NEW 1349 Indian Elm



NEW 1350 Sable Elm



NEW 1351 Smokey Elm



NEW 1352 Fossil Teak



Stainless Steel No. 4
(For edge cover only)



410 Brushed Silver



378 Brushed Nickel

*All doors are also available in solid colors.
Visit www.c-sgroup.com/door to view
up-to-date solid color options.*

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

Door Selection Guide

Door Type	Fire Rating	Door Thickness	Max Size Single	Max Size Double	Lite Kits	Replaceable Edges & Stiles
Flush	Non-Rated	1-3/4" or 1-3/8"	4'3" x 10'	8'6" x 10'	Yes	Yes
Flush	20 Minute	1-3/4"	4'3" x 10'	8' x 10'	Yes	Yes
Flush	45-90 Minute	1-3/4"	4' x 9'	8' x 9'	Yes	Yes
Panel	Non-Rated	1-3/4"	4'3" x 10'	8'6" x 10'	Yes	Yes
Panel	20 Minute	1-3/4"	4' x 10'	8' x 10'	Yes	Yes
Panel	45 and 60 Minute	1-3/4"	4' x 9'	8' x 9'	N/A	Yes
Lead-Lined	Non-Rated and 20 Minute	1-3/4"	4' x 8'	8' x 8'	Yes	Edge Covers Only
Lead-Lined	45 and 60 Minute	1-3/4"	4' x 9'	8' x 9'	Yes	Edge Covers Only
Barrier-Resistant	Non-Rated and 20 Minute	1-3/4"	4'3" x 10'	N/A	Yes	Yes
STC 30	Non-Rated	1-3/4"	4' x 8'	N/A	N/A	Edge Covers Only
STC 43-46	Non-Rated	1-3/4"	4' x 8'	N/A	N/A	Edge Covers Only
STC 35/34	45 and 60 Minute	1-3/4"	4' x 9'	8' x 9'	N/A	Edge Covers Only
STC 36	90 Minute	1-3/4"	4' x 9'	N/A	N/A	Edge Covers Only
Dutch	Non-Rated	1-3/4"	4'3" x 10'	8'6" x 10'	Yes	Yes
Dutch	20 Minute	1-3/4"	4' x 8'	N/A	Yes	Yes
Bullet Resistant Levels 1, 2, 3	Non-Rated	1-3/4"	4' x 10'	8' x 10'	Yes	Edge Covers Only

For complete, up-to-date technical information, please refer to our tech manual at www.c-sgroup.com/door. For any additional questions, please contact the factory at 800.416.6586

Acrovyn Door Projects

Project	Location	Project	Location
Northwell Health	Several Locations	Memorial Hermann	Multiple Locations
Yale New Haven Hospital	New Haven, CT	UTMB Jeannie Sealy Hospital	Galveston, TX
UPMC	Pittsburgh, PA	VA Medical Center	Multiple Locations
Bronx Adult Psych Center	Bronx, NY	Dignity Health	Multiple Locations
First Quality Baby Products	Lewiston, PA	Empire State Building	New York, NY
Warwick Hotel	Seattle, WA	Greenwich Skating Rink	Greenwich, CT
Alfred I. Dupont Hospital for Children	Wilmington, DE	Henry Doorly Zoo	Omaha, NE
Courtyard Marriott	Nationwide	NYU Medical Center	New York, NY
WAWA Convenience Stores	Multiple Locations	La Cueva High School	Albuquerque, NM
New York-Presbyterian Hospital	New York, NY	Bronx Children's Mental Health	Bronx, NY
Lakeview School	Edison, NJ	Ken's Food	Multiple Locations
Nationwide Children's Hospital	Columbus, OH	Memorial Sloan Kettering	New York, NY
Avera Health	Sioux Falls, SD	Nikko Hotel	San Francisco, CA
Advocate Health	Chicago, IL	King Hussain Cancer Centre	Amman, Jordan
Luma Hotel	New York, NY	Capital Market Authority	Riyadh, KSA
St. Francis Medical Center	Cape Girardeau, MO	Olympus Keymed Science Park	Dubai, UAE
CPMC Cathedral Hill	San Francisco, CA	University of Puerto Rico Cancer Center	San Juan, Puerto Rico
Buffalo Public Schools	Buffalo, NY	Hospital Herrera Llerandi	Guatemala City, Guatemala
St. Anthony's Medical Center	St Louis, MO	Toronto Grace Hospital	Toronto, Ontario, Canada
Banner Health	Phoenix, AZ	St. Thomas Elgin Hospital	St. Thomas, Ontario, Canada
Aurora Medical Center	Aurora, CO	Georgian Village Assisted Living	Penetanguishene, Ontario, Canada
Lackland Air Force Base Ambulatory Care	San Antonio, TX		



CS creates products that solve complex building challenges around the world:

Acrovyn by Design®	Architectural Grilles + Vision Barriers	Expansion Joint Covers
Acrovyn® Doors	Architectural Louvers	Explosion + Pressure Relief Vents
Acrovyn® Wall Covering + Panels	Cubicle Curtains + Tracks	Fire + Smoke Vents
Acrovyn® Wall Protection	Entrance Mats + Grids	Sun Controls

3 Werner Way
Lebanon, New Jersey 08833 U.S.A.
800.416.6586

895 Lakefront Promenade
Mississauga, Ontario L5E 2C2 Canada
888.895.8955

www.c-sgroup.com

© Copyright 2018 Construction Specialties, Inc.

Construction Specialties, Inc. reserves the right to make design changes or to withdraw any design without notice.
Construction Specialties, Inc. holds a patent(s) on one or more of the products listed herein.

For detailed patent information, see www.c-sgroup.com/patents.

Printed in U.S.A. Series 18

