



# At C/S, protecting the environment is a journey, not a destination.



*Since we view protecting the environment as a journey at C/S, it's important that we don't lose our way. We have a long range vision and a plan to guide us. We call that our compass. We also have environmental specialists from all disciplines within our company to monitor our progress and make sure we continue heading true north toward lowering our environmental impact, every day.*

## ECOFACT

*The ratio (by weight) of waste generated by durable goods manufactured in our economy is 100 to 1.*

*C/S' waste reduction plan is more than just recycling; it encompasses all aspects of how we do business.*

**Our Commitment** is not only to create products that will contribute to lowering the environmental impact of the buildings they become part of, but also to conduct business in a manner that endeavors to have no negative impact on our environment. We will strive to get closer to these goals every day. Our strategy consists of four fundamental parts. We will:

- Coexist** with the world around us by fostering nature at all of our locations to keep the fragile ecosystems we function in balanced and healthy for our stakeholders and all living things in the communities we are a part of. We are temporary stewards of this planet.
- Minimize** impact on the planet by never forgetting that what we do and how we do it will have a long range impact that will affect generations to come. We can and do make a difference by choosing environmentally-friendly materials and procedures that strive for zero impact.
- Preserve** our natural resources by creating durable, long-lasting products that not only help define the architecture of tomorrow, but enable it to be sustainable for future generations. We will use only responsible practices when manufacturing our products.
- Partner** with other leaders including our customers, professional organizations and other companies that share our passion for a healthy environment. We will share ideas and advances with those partners that strive for the same goals we do, and we will be open to the good ideas of others. Working together we can make a difference.



**Leaving only  
our footprints**

*Anyone who enjoys being out in nature has probably heard the hiker's adage, "leave only your footprints." We embrace that same idea at C/S and apply it to our business. As the size and scope of our business grows, we endeavor to lower, not raise, the impact we have on the world around us. For our two newest plants, we renovated older facilities that had fallen into disrepair. We invested in turning them into state-of-the-art facilities, rather than green fielding new facilities.*

# “We won’t have a society if we destroy the environment.”

—Margaret Mead



*In his first speech to Congress, Roosevelt reversed the historic notion that the nation’s resources should be exploited in the name of progress and nation building. “We are prone to think of the resources of our country as inexhaustible, this is not so.” He later proclaimed that “The nation’s resources should be protected for future generations.”*

—Theodore Roosevelt

## ECOFACT

*Humanity is pumping 15,000,000 tons of CO<sub>2</sub> into the atmosphere every day. Global warming is affecting crop yields.*

*Energy saving measures in our Muncy operation resulted in 1,000,000 fewer pounds of CO<sub>2</sub> from being generated by power supplies this year.*

**C**onstruction Specialties recognized the importance of conducting business in an environmentally-responsible manner well before the United States Green Building Council (USGBC) and its LEED® Program was founded. We determined early on that some of our manufacturing practices had a direct impact on the environment in the communities where they were located. **We took significant steps to reduce the greenhouse gases that our factories generated**—from installing high-efficiency lighting and encouraging our employees to shut down their computer monitors when not in use to converting to Lean Manufacturing technologies and just-in-time purchasing to meet specific requirements of individual projects. **C/S also established a Green Team Committee at each operation** to ensure that our environmental initiatives were being enforced.





### **Muncy Plant Reforestation Project**

*C/S has one of its large manufacturing facilities in rural Muncy, Pennsylvania. In an effort to reduce the impact of this existing facility, the company has embarked on a carbon sequestration program that involves reforesting 17 of the 34 acres of land. The benefits are many. In addition to the plants converting CO<sub>2</sub> to oxygen, it has decreased erosion and safeguarded surface and ground water. And, we have created a self-supporting wildlife habitat that's wonderful for our employees and visitors to enjoy.*



*Over 25 million styrofoam cups are thrown away each year. Because they are almost impossible to recycle, most wind up in landfills. Some estimates claim that up to 30% of landfill volume is styrofoam products. And, it takes 500 years for one cup to break down. That's why we changed all of our beverage cups to recycled paper. That, along with a lot of other things such as waterless toilets and low-flow faucets, may seem like little things, but the little things add up. Think of the difference it would make if more companies followed our lead.*

**ECOFACT**

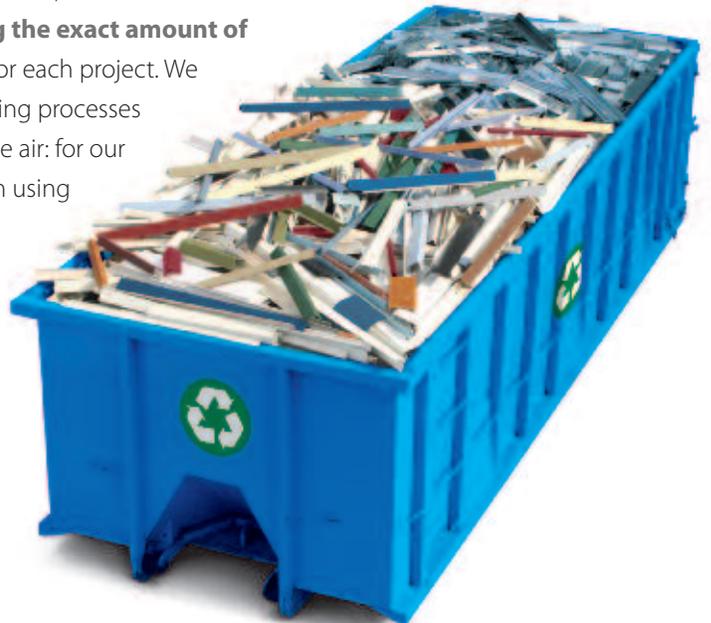
*15,000 of the 20,000 landfills in the U.S. are closed or over capacity.*

*C/S policy is to avoid sending any material to a landfill.*

## In whose neighborhood is your waste going to be processed?

**b**ack in 1995, when a hazardous incinerator was to be sited near one of our plants, C/S began looking inward and asked, **“Where is our waste being processed and should we be doing something differently?”** That question has become the cornerstone of C/S’ environmental stewardship. The logical first step in that process was to recycle glass, plastic, paper and the waste from our manufacturing processes. Next, we **lessened the amount of waste, by purchasing the exact amount of raw materials** required for each project. We also focused on our finishing processes to eliminate VOCs from the air: for our wood products, we began using water-borne stains in lieu of petro-based stains and for our aluminum products we now use environmentally-friendly powder-coat finishes.

*At C/S, almost all of our industrial waste is recycled. We have a cradle-to-cradle philosophy. Most is turned back into useful products, some by us, some by others. Our goal is to recycle all of our waste by 2012.*





### Reducing our impact

*In both our Canadian and Mexican operations, C/S made a significant capital investment to convert the finishing of C/S Louvers, Grilles, Sun Controls, Explovent® and all of our aluminum components from fluorocarbon finishes to powder-coat finishes. Powder coating eliminates not only VOCs, but the hazardous air filters associated with traditional petro-based architectural finishes.*

We are profoundly committed to creating products that lower the environmental impact on the buildings of which they become a part.



*Our Muncy operation is now ISO14001 Certified. Ron Dadd, President and CEO of Construction Specialties, has directed all operations to become ISO14001 Certified by 2014.*

**a** major part of C/S' environmental journey is to create products that make buildings better by being more sustainable. Over the past 15 years, **C/S' Research and Development Department focused on making sure all of the products we developed were sustainable.** C/S Entrance Flooring Systems are designed to keep dirt and particulates out of buildings, improving indoor air quality and eliminating the use of harmful cleaning agents. C/S re-engineered its entire Acrovyn® Wall Protection product line to completely eliminate all PVC and PBTs (Persistent Bioaccumulative Toxins) from its formulation. In 1999, C/S introduced America's first line of rain-

resistant louvers. These louvers not only stop water from entering a building, but they help prevent standing water from becoming a breeding ground for mold. **C/S is so committed to sustainability that it has had many of our products reviewed and certified by MBDC** (McDonough Braungart Design Chemistry).



#### **ECOFACT**

*The consensus opinion of the world's experts is that we will run out of oil in the next 35-70 years.*

*At C/S, our goal is to get 50% of our energy from renewable resources by 2012.*



### **Products that save energy**

*C/S has a long history of creating products that save energy. We pioneered the development of sunshades in the 1950s. Today they not only create a dramatic visual statement and increase occupant comfort, but also save millions of kilowatt hours across the globe. Our leading edge louvers allow maximum airflow with virtually no risk of water penetration. That optimizes the functionality of many major buildings' HVAC systems creating huge energy savings.*

*Sidwell Friends School is one of Washington, DC's finest prep schools. It is also one of the nation's most environmentally-friendly schools. The design for their new middle school uses daylight to minimize energy use. According to Michael Saxenian, Assistant Head of the School and Chief Financial Officer, "C/S Sun Controls and Lightselves helped us reduce our projected energy consumption by 60%." The project achieved LEED® Platinum certification.*



## Together with others dedicated to the same goals, we can accomplish so much more.

**C**onstruction Specialties works with architects and engineers on a daily basis to help them create sustainable buildings. From the LEED® platinum-certified Sidwell Friends School in Washington, DC, to the gold-certified Santa Monica public building, **C/S' LEED®-accredited product specialists work with architects to help them realize their sustainable vision.** But for C/S, there is more to environmental leadership than just creating or manufacturing architectural products. C/S seeks to be a positive influence on the outside world by **partnering with organizations and corporations concerned about the environment.** C/S is a member of Practice Greenhealth and supports that organization's effort to eliminate PVC from healthcare buildings, and we are closely monitoring the launch of LEED® for Healthcare. Along with major corporations such as Kaiser Permanente, HP and Johnson & Johnson, C/S is involved with Clean Production Action to develop the use of safer chemicals in consumer products. We've even testified before Congress on the need for manufacturers to reduce hazardous chemicals in their products.

### ECOFACT

*Only 3% of new commercial construction starts since 2005 have applied to the U.S. Green Building Council for LEED® certification.*

*Most C/S product professionals are LEED® accredited.*





*The Department of Energy's 2009 Sustainable Design Competition included 20 university teams from around the world. For the competition, C/S worked closely with the Penn State University team and supplied them with solar-tracking, photovoltaic sunshades for their Natural Fusion house. Mounted on the southern façade of the house, the sunshades were programmed to track the sun from east to west, to minimize solar heat gain and to maximize the sun's exposure to the PV cells.*

## C/S PRODUCT ENVIRONMENTAL SPECIFICATIONS



### Acrovyn®

New C/S Acrovyn 4000 performs just like original Acrovyn, is free of PVC and PBTs (Persistent Bioaccumulative Toxins), carries a UL Class 1 fire rating and meets the CA 1350 protocol for good indoor air quality.

#### Product Environmental Overview

<b>LEED® Credit Potential</b>	Up to 6 LEED® Credits
<b>Material Composition</b>	Engineered PETG, Wood, Aluminum, Stainless Steel
<b>Hazardous Chemical Reduction</b>	VOCs & PBTs
<b>Manufacturing Facility</b>	ISO 14001 & 9001 Certified
<b>Carbon Reduction Policy</b>	Yes
<b>Water Usage Reduction Policy</b>	Yes
<b>Cradle to Cradle Certified</b>	C2C Silver

#### LEED® Credit Contributions

##### MR Credit 4, Recycled content:

C/S sources materials with the highest possible recycled content for all interior wall protection products. Contact us for the most up-to-date recycled content percentages.

##### MR Credit 6, Rapidly Renewable Materials:

C/S offers a line of hard-wearing bamboo wall protection products.

##### MR Credit 7, FSC-Certified Wood (SW-COC-000972):

FSC-Certified wood can be specified for all wood wall protection products.

##### EQ Credit 4.1, Low-Emitting Materials (Adhesives):

Where adhesives are required, C/S wall protection products are shipped with adhesives that meet SCAQMD Rule #1168 guidelines.

##### EQ Credit 4.4, Low-Emitting Materials (Composite Wood):

C/S wall panel cores contain no added urea formaldehyde.

*C/S Acrovyn wall panels meet California Air Resources Board (CARB) phase 1 emissions standards.*

##### ID Credit:

C/S Acrovyn 4000 PBT-free wall protection has earned MBDC Cradle to Cradle: Silver Certification.



### Acrovyn® Doors

The best way to achieve sustainability is to design with the building's life cycle in mind. Durable Acrovyn cladding as well as replaceable wood stiles and door edges extend the life of the door, making it a truly sustainable system.

#### Product Environmental Overview

<b>LEED® Credit Potential</b>	Up to 4 LEED® Credits
<b>Material Composition</b>	6 smart core options & engineered PETG cladding
<b>Hazardous Chemical Reduction</b>	Urea Formaldehyde, PBTs & VOCs
<b>Manufacturing Facility</b>	ISO 14001 by 2013
<b>Carbon Reduction Policy</b>	Yes
<b>Water Usage Reduction Policy</b>	Yes
<b>Cradle to Cradle Certified</b>	Cladding: C2C Silver

#### LEED® Credit Contributions

##### MR Credit 4, Recycled content:

C/S sources cores with the highest possible recycled content for the Acrovyn Door System. Contact us for the most up-to-date recycled content percentages.

##### MR Credit 6, Rapidly Renewable Materials:

C/S offers doors made with rapidly renewable agrifiber cores.

##### MR Credit 7, FSC-Certified Wood (SW-COC-000972):

C/S offers many FSC-Certified door options.

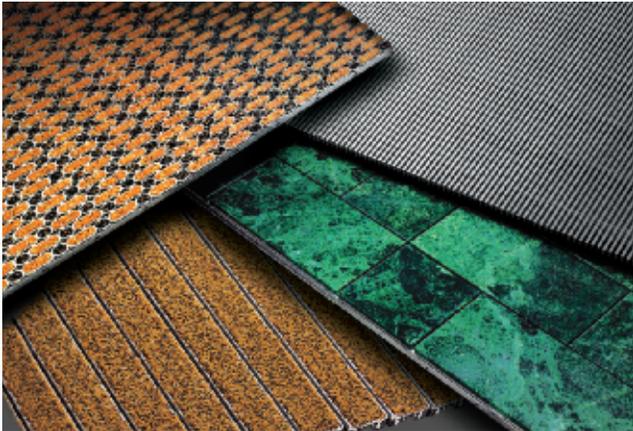
##### EQ Credit 4.4, Low-Emitting Materials (Composite Wood):

C/S composite wood and agrifiber doors contain no added urea formaldehyde.

*C/S Acrovyn Doors meet California Air Resources Board (CARB) phase 1 emissions standards.*

##### ID Credit:

C/S Acrovyn 4000 PBT-free wall protection is available as a cladding option and has earned MBDC Cradle to Cradle: Silver Certification.



**CS Pedisystems®**

In USGBC LEED® IEQ Credit 5, the architect/designer is encouraged to specify permanent entryway systems (grilles, grates, etc.) at least 10 ft. in length to capture dirt, water and other particulates at all high volume entryways. This results in improved indoor air quality, reduced maintenance costs and safer floor surfaces that will look beautiful longer.

**Product Environmental Overview**

<b>LEED® Credit Potential</b>	Up to 5 LEED® Credits
<b>Material Composition</b>	Aluminum, Stainless Steel, Low-VOC Carpet, PVC-Free Components
<b>Hazardous Chemical Reduction</b>	PVC & VOCs
<b>Manufacturing Facility</b>	ISO 14001 & 9001 Certified
<b>Carbon Reduction Policy</b>	Yes
<b>Water Usage Reduction Policy</b>	Yes
<b>Cradle to Cradle Certified</b>	PediTred G4, C2C Silver

**LEED® Credit Contributions**

**MR Credit 4, Recycled content:**

C/S sources materials with the highest possible recycled content for all Pedisystems® products. Recycled rubber inserts are also available. Contact us for the most up-to-date recycled content percentages.

**MR Credit 6, Rapidly Renewable Materials:**

C/S offers rapidly renewable bamboo and cork tread inserts for Pedisystems products.

**IEQ Credit 5, Pollutant Source Control:**

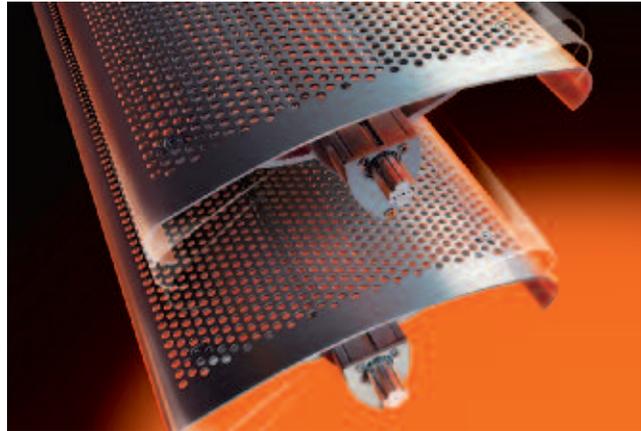
This credit requires designers to employ permanent entryway systems (grilles, grates, etc.) at least 10 ft. in length to capture dirt, water and other particulates at all high volume entryways.

**EQ Credit 4.3, Low-Emitting Materials (Carpet):**

Many C/S Pedisystems meet California 01350 test standards for low VOCs, an approved equivalent to the CRI Green Label Plus certification. Passing this test also qualifies Pedisystems for use in Collaborative for High Performance Schools (CHPS) projects. C/S supplies non-PVC components for most Pedisystem components.

**ID Credit:**

C/S PediTred G4 architectural grids have earned MBDC Cradle to Cradle: Silver Certification.



**CS Sun Controls**

For more than 50 years C/S Sun Controls have been mitigating solar heat gain, managing daylight and reducing glare. By contributing to lower energy consumption and a healthier indoor environment, our systems are designed to help you meet your high performance building goals. Our complete sun control package includes Cradle to Cradle: Silver Certified\* fixed shading devices and interior lightshelves as well as Solarmotion™ controllable exterior sunshades and WAREMA external Venetian blinds, which are effective on all elevations, at all times of the day.

**Product Environmental Overview**

<b>LEED® Credit Potential</b>	Up to 4 LEED® Credits and 23 points
<b>Material Composition</b>	Aluminum, Anodized or Powder Coat Finishes
<b>Hazardous Chemical Reduction</b>	VOCs
<b>Manufacturing Facility</b>	ISO 14001 by 2013
<b>Carbon Reduction Policy</b>	Yes
<b>Water Usage Reduction Policy</b>	Yes
<b>Cradle to Cradle Certified</b>	C2C Silver*

**LEED® Credit Contributions**

**EA Credit 1, Optimize Energy Performance:**

A shading strategy that utilizes fixed and operable sun controls has a significant impact on this credit by reducing the energy demands of HVAC and lighting systems.

**IEQ Credits 8.1 and 8.2, Daylight and Views:**

Daylighting technologies including solar shading and lightshelves are recommended to meet the intent of this credit.

**MR Credit 4, Recycled content:**

C/S sources materials with the highest possible recycled content for all sun control products. Contact us for the most up-to-date recycled content percentages.

**ID Credit:**

C/S Suspended, Cantilevered, Horizontal, Vertical, Shadowline™ and Perform™ sunshades in clear anodized finish have all achieved MBDC Cradle to Cradle: Silver Certification.

\*Clear anodized finish

**C/S PRODUCT ENVIRONMENTAL SPECIFICATIONS**



**CS Cubicle Curtains**

C/S Cubicle Curtains offer the industry’s finest privacy curtains and track systems available today. We offer hundreds of fabric options including antimicrobial fabrics, fabrics that meet MBDC’s Cradle to Cradle: Gold Certification, and PVC-free shower curtains. General Cubicle’s Snap Lock Curtain System is even designed to help facilities easily and effectively deal with the cleaning of privacy curtains. This curtain system eliminates the hassles and dangers of removing cubicle curtains from ceiling mounted track systems.

**Product Environmental Overview**

<b>LEED® Credit Potential</b>	Up to 2 LEED® Credits
<b>Material Composition</b>	Aluminum, Various Fabrics
<b>Hazardous Chemical Reduction</b>	PVC
<b>Manufacturing Facility</b>	ISO 14001 by 2013
<b>Carbon Reduction Policy</b>	-
<b>Water Usage Reduction Policy</b>	-
<b>Cradle to Cradle Certified</b>	Fabrics

**LEED® Credit Contributions**

**MR Credit 4, Recycled content:**

C/S sources materials with the highest possible recycled content for all cubicle curtain products. Contact us for the most up-to-date recycled content percentages.

**ID Credit:**

C/S offers fabrics that have achieved MBDC’s Cradle to Cradle: Gold Certification.



**CS Louvers**

C/S Louvers offer industry leading performance while also leading the pack for the performance requirements of today’s changing environment.

**Product Environmental Overview**

<b>LEED® Credit Potential</b>	Up to 2 LEED® Credits
<b>Material Composition</b>	Aluminum, Anodized and Powder Coat finishes
<b>Hazardous Chemical Reduction</b>	VOCs
<b>Manufacturing Facility</b>	ISO 14001 by 2013
<b>Carbon Reduction Policy</b>	Yes
<b>Water Usage Reduction Policy</b>	Yes
<b>Cradle to Cradle Certified</b>	C2C Silver*

**LEED® Credit Contributions**

**MR Credit 4, Recycled content:**

C/S sources materials with the highest possible recycled content for all louver products. Contact us for the most up-to-date recycled content percentages.

**ID Credit:**

C/S Drainable, Non-Drainable, Hurricane/Impact and Storm Resistant Louvers have all achieved MBDC’s Cradle to Cradle: Silver Certification\*

\*Clear anodized finish



**CS Explovent®**

What is more sustainable than safety? With over 35 years of research and development in specialty venting C/S has developed the only field testable and resettable explosion venting panel system on the market. Our systems also utilize low VOC powder coat finishes and recycled aluminum.

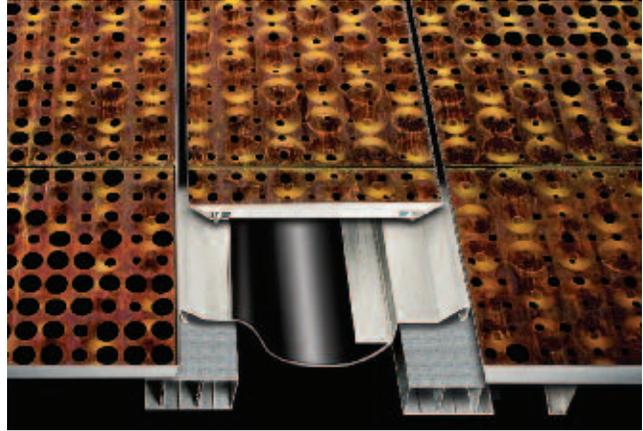
**Product Environmental Overview**

<b>LEED® Credit Potential</b>	Up to 1 LEED® Credit
<b>Material Composition</b>	Aluminum, Anodized and Powder Coat finishes
<b>Hazardous Chemical Reduction</b>	VOCs
<b>Manufacturing Facility</b>	ISO 14001 by 2013
<b>Carbon Reduction Policy</b>	Yes
<b>Water Usage Reduction Policy</b>	Yes

**LEED® Credit Contributions**

**MR Credit 4, Recycled content:**

C/S sources materials with the highest possible recycled content for all specialty venting products. Contact us for the most up-to-date recycled content percentages.



**CS Expansion Joint Covers**

Expansion joint covers are a critically important component of any building, since they allow the building to move in multiple directions without damage to structural and finish components. C/S Expansion Joint Covers utilize environmentally sensitive materials including: recycled aluminum, and voc-free powder coat finishes.

**Product Environmental Overview**

<b>LEED® Credit Potential</b>	Up to 2 LEED® Credits
<b>Material Composition</b>	Aluminum, Stainless Steel, Brass
<b>Hazardous Chemical Reduction</b>	VOCs
<b>Manufacturing Facility</b>	ISO 14001 & 9001 Certified
<b>Carbon Reduction Policy</b>	Yes
<b>Water Usage Reduction Policy</b>	Yes
<b>Cradle to Cradle Certified</b>	C2C SSR Series, Silver

**LEED® Credit Contributions**

**MR Credit 4, Recycled content:**

C/S sources materials with the highest possible recycled content for all expansion joint cover systems.

**ID Credit:**

C/S SSR 600 architectural expansion joint covers have earned MBDC Cradle to Cradle: Silver Certification.



**Construction Specialties™**

*Creating products that make buildings better*

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