

LEED

CONTRIBUTIONS

DIVIDERS
by **cox**usa
Sustainable
Solutions



Surface Mounted Doors
Room Dividers
Wall Partitions
Wall Pockets
Wardrobe Doors

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DIVIDERS DOOR SYSTEMS: OPTIMIZING LEED CREDITS WITH SUSTAINABLE SOLUTIONS

This LEED Contribution Guide examines the DIVIDERS Door Systems and its potential to help architects, engineers, designers, contractors and owners earn green certification for their buildings and make them more comfortable, healthier, safer and efficient.

LEED and other green rating systems are designed to quantify the energy and environmental performance of a building through its design, construction and operations. They also give architects and owners useful tools for managing or reducing the environmental footprint of their buildings while enhancing the occupants' experience.

Driven by the foresight of building owners and the creativity of the architect/engineer (A/E) community, manufacturers such as COXUSA provide construction services or produce building products that are continually advancing the principles and practices of green building. These advances are being further aided by market based tax incentives, energy cost volatility, greater awareness of human chemical sensitivities and, in some cases, governmental mandates and legislation.

While green building rating systems and their governing organizations do not certify building products, they recognize that product selection can play an essential role in making a building compliant or certifiable to a green standard, or more operationally efficient.

COXUSA has a door system known as DIVIDERS. This system can be specified individually or as part of an overall green package. These collection of products help:

- Architects "green" their designs
- Engineers optimize building performance
- Contractors select environmentally responsible materials
- Facility managers maintain sustainable operations

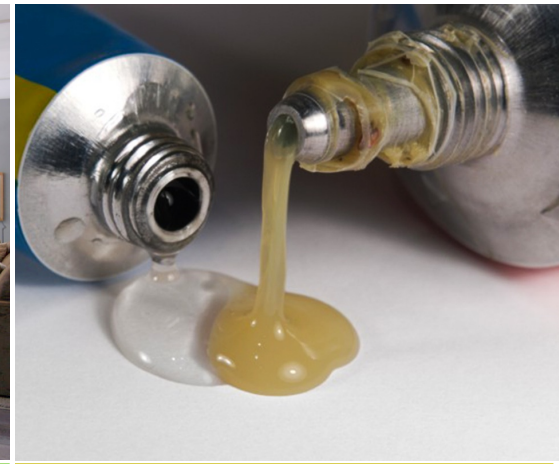
This LEED Guide provides green building practitioners a brief overview of the DIVIDERS Door Systems and how they can contribute to a green project. COXUSA promotes and supports green building design and construction.

All product contributions and environmental claims cited in this document reference the United States Green Building Council (USGBC) and its Leadership in Energy and Environmental Design (LEED) rating systems. However, contributions also are applicable to other green building rating systems such as GreenGlobes (USA).

DIVIDERS by COXUSA
DOOR SYSTEMS



WALL PARTITIONS | ROOM DIVIDERS



NO ADHESIVES AND SEALANTS

DIVIDERS Wall Partitions and Room Dividers are designed to increase daylight penetration by its extensive use of laminated and back-painted glass which aids in harvesting site energy by reducing the requirement for electric lighting. These properties can qualify for LEED points in the Energy and Atmosphere category.

DIVIDERS Door System uses only adhesive-free and sealant-free panels. These uniquely designed interior panels eliminate the potential presence of odorous and harmful air contaminants in any interior space and ensures the comfort and well-being of both occupants and installers once the systems are in place.

ENERGY & ATMOSPHERE

Potential Points

LEED Requirements

DIVIDERS LEED Credit Contribution

EA CREDIT 1.1
Optimize Energy Performance - Lighting Power

1-5

Reduce lighting power density at least 15% below the referenced standard; additional points are available for greater reductions.

The use of back-painted and laminated glass in interior components aids in harvesting site energy by increasing daylight penetration throughout the space and reducing the requirement for electric lighting.

LEED INTENT

To achieve increasing levels of energy conservation beyond the reference standard to reduce environmental and economic impacts associated with excessive energy use.

Wall partitions and interior doors using the DIVIDERS door panels are some of the possible applications that could be used to satisfy objectives such as the increase in lighting quality.

INDOOR ENVIRONMENTAL QUALITY

Potential Points

LEED Requirements

DIVIDERS LEED Credit Contribution

IEQ CREDIT 4.1
Low Emitting Materials - Adhesives and Sealants

1

Adhesives, sealants, and sealant primers installed in the project interior must comply with South Coast Air Quality Management District (SCAQMD) Rule 1168.

The DIVIDERS door systems are free of odorous and harmful adhesives and sealants that may potentially increase indoor air contaminants such as those emitted by some silicone or adhesives.

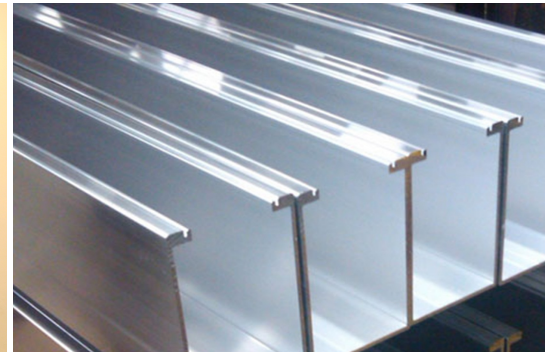
LEED INTENT

To reduce the quantity of indoor air contaminants that are odorous, potentially irritating, and/or harmful to the comfort and well-being of installers and occupants.

Aerosol adhesives must comply with the Green Seal Standard for Commercial Adhesives GS-36 requirements.

The DIVIDERS door systems also requires no hazardous materials for cleaning after installation or during maintenance.

DIVIDERS by COXUSA
DOOR SYSTEMS



Standard billet contains an average of 25% pre-consumer recycled aluminum, which can contribute at least 10% of its value, based on cost, of the total value of the materials in project for credit in the Materials and Resources category.

MATERIALS AND RESOURCES

Potential Points

LEED Requirements

DIVIDERS LEED Credit Contribution

MR CREDIT 1.2

LEED INTENT

To extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste, and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.

1-5

The project must maintain at least 40% or 60% by area of the existing non-shell, non-structural components. Interior non-structural elements may include interior walls, doors, flooring and ceiling systems.

DIVIDERS Door Systems are designed to provide optimum quality and performance leading to the extension of its life cycles, reduction of waste and reducing environmental impacts. Its flexibility to perform various interior applications allows the DIVIDERS DOOR Systems to maintain its original functions as interior door panels as

**MR CREDIT 4
Recycle Content**

LEED INTENT

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

1-2 + EP

Use materials with recycled content such that the sum of post-consumer recycled content plus half of the pre-consumer content constitute at least 10% (1 point) or 20% (2 points), based on cost, of the total value of the materials in project.

Exemplary Performance (1 Point)

DIVIDERS by COXUSA uses recycled aluminum which is recycled extensively from both pre-consumer and post-consumer sources. DIVIDERS aluminum products contain a minimum of 60% post-consumer, 25% pre-consumer recycled content.

**MR CREDIT 5
Regional Materials**

LEED INTENT

To increase demand for building materials and products that are extracted and manufactured within a region, thereby supporting the regional economy and reducing the environmental impacts resulting from transportation.

1-2 + EP

Option 1
Use a minimum of 20% of the combined value of construction and Division 12 (furniture and furnishings) materials and products that are manufactured regionally within a radius of 500 miles of the project

Option 2
Meet the requirements of Option 1. Use a minimum of 10% of the combined value of construction and Division 12 (furniture and furnishings) materials and products extracted, harvested and recovered, as well as manufactured, within 500 miles of the project.

Exemplary Performance (EP)
1 Point

Use a minimum of 20% of the combined value of construction and Division 12 (furniture and furnishings) materials and products extracted, harvested and recovered, as well as manufactured, within 500 miles of the project.

DIVIDERS' network of Fabricators and Distributors across the U.S. and in Canada provides the required proximity distance from a project and increases the likelihood to qualify for a Regional Materials credit.

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