

– Muraflex LEED V4/4.1 Information

LEED: Leadership in Energy and Environmental Design, LEED is a globally recognized rating system to measure and assess the environmental sustainability of a building. There are four LEED certifications, issued by the number of LEED credits a building acquires:

CERTIFIED: 40- 49 points

SILVER: 50 – 59 points

GOLD: 60 - 70 points

PLATINUM: 80 points and above

As one of the leading designs in [demountable walls and glazing systems](#), Muraflex embraces its responsibility to maintain environmental sustainability through its practices and productions, for herself and her clients. We take pride in manufacturing towards a future that is enjoyable by all, with clear skies and clean drinking water. Our sustainability practices extend to our production practices, our internal culture, as well as relations with our clients and representatives. Examples of these include subsidizing our workers' use of public transportation, lean manufacturing, and following all necessary and legal Health, Safety, and Welfare guidelines established by the American Institute of Architects. Clients can display their certification on their building as part of their commitment to the sustainability movement.

This document demonstrates the ways in which Muraflex helps our clients achieve maximum LEED points, and attain one or more of the following LEED certifications stated above.

COMMERCIAL INTERIORS

ENERGY AND ATMOSPHERE

Optimize Energy Performance – Lighting Power (1- 5pts)

MATERIALS AND RESOURCES

Building Reuse (1-2pts)

Construction Waste Management (1-2pts)

Material Reuse (1-2pts)

Recycle Materials (1-2pts)

Regional Materials (1-2pts)

Certified Wood (1-2pts)

ENVIRONMENTAL QUALITY

Indoor Air Quality during Construction (1pts)

Materials with Low Emission (1pts)

Daylight Transmission (1pts)

Daylights and Views (1pts)

ENERGY AND ATMOSPHERE

Credit 1.1: Optimize Energy Performance – Lighting Power (1- 5pts)

Glass walls utilize existing solar energy, thereby minimizing electrical usage. Light and heat are retained, shared and spread throughout a building, acting as an automatic way to reduce electricity. Demountable walls can be moved, removed or replaced according to weather, season, or company needs.

MATERIALS AND RESOURCES

Credit 1.3: Building Reuse (1-2pts)

Building reuse is the change of a purpose of a building. Converting a church into a school is an example of building reuse. Similar to material reuse, building reuse is worth 1 - 2 LEED points each. Demountable walls are an amazing tool for repurposing a building whilst simultaneously minimizing waste, as it is the same material changing location and positioning.

Credit 2.0: Construction Waste Management (1-2pts)

To earn LEED points in construction waste management, a building must not produce more than 12.2kg/m square of waste. All our manufacturing takes place in our internal warehouse. Our clients receive it in minimal, recyclable packaging, thereby minimizing waste. Furthermore, Muraflex practices lean manufacturing, whereby only the required material is purchased and used for the manufacture of its products. Therefore, construction waste management is practiced on both clients' and manufacturer's site. All recyclable waste

Credit 3.1: Material Reuse (1-2pts)

The flexibility of demountable walls, whether our clients choose MIMO, FINO, QUADRO, EXPO or ARCO, allows the ease of use and reuse.

Credit 4.0: Recyclable Materials (1-2pts)

Two of Muraflex's primary products, glass and aluminium, are easily 100% recyclable. In case of damage or change of preference, glass is taken to the recycling center where it's sorted by color, smashed, and made into new. Unlike many other materials, [recycling glass does not compromise its quality](#). Using recyclable materials for your construction purposes significantly enhances your LEED points, thereby getting you closer to the certification of your choosing. Aluminium recycling utilizes a mere 5% of the energy required to create it from scratch. It is also note-worthy that Muraflex uses recycled glass and other materials in its manufacturing, so much of your products are already recycled materials.

Credit 5.0: Regional Materials (1-2pts)

Muraflex blends European aesthetics with North American resources, thus working with local and regional salespeople, companies and clients. Clients can achieve designs of global standards while completing LEED credits for utilisation of regional materials.

Credit 7.0: Certified Wood (1-2pts)

Wood that has been harvested and manufactured in a sustainable manner is certified by the Forest Stewardship Council (FSC). Like glass and aluminium, wood manufacturing also has a low impact on the environment and is easy reusable and recyclable.

ENVIRONMENTAL QUALITY

Credit 3.1: Indoor Air Quality during Construction (1pts)

LEED considers and includes wellbeing towards the environment as well as towards workers, employees and staff. Majority of Muraflex's production process takes place at the internal warehouse in Montreal,

where workers enjoy humane and thriving work conditions, with ample space and protection. The materials are then transported to the construction site and installed by a certified professional. While simultaneously soundproof, our demountable walls allow the flow of air within various office and building areas.

Credit 4.1: Materials with Low Emission (1pts)

Glass and aluminium are low emission materials which do not impact their environment during the production process. Their manufacturing processes involve melting, coating, annealing, and cutting, all of which are friendly to the environment and do not produce toxic gasses or by-materials.

Credit 8.1: Daylight Transmission (1pts)

Rooms with glass walls are ideal for daylight transmission, an easy and efficient way to spread sunlight throughout a building. Equally importantly, daylight transmission significantly reduces the electricity usage and costs of a building.

Credit 8.2: Daylights and Views (1pts)

Another important quality of glass walls and windows is the merging of indoors with the outdoors, and aiding in developing a sense of belonging and community. Muraflex designs focus on

EXISTING BUILDING

ENERGY AND ATMOSPHERE

Sustainability Purchasing (Furniture)	(1-18pts)
Solid Waste Management (Durable Goods)	(1-2pts)

ENERGY AND ATMOSPHERE

Credit 1.1: Optimize Energy Performance – Lighting Power (1-5pts)

In an existing building, glazed walls can be installed to increase lighting power, as well as space. A project under the LEED supervision must include a minimum gross floor area of 250 sq/ft. Demountable walls are excellent strategies for adjusting your space. For example, Muraflex's [EXPO](#) has telescopic doors which change the size of a room with a quick hand-motion over a sensor. All our systems, including [FINO](#) and [MIMO](#), are slimmer profiles than dry wall which maximizes floorspace. A standard wall needs to be at least 4 and a half inches in width, whereas our products do not go beyond 3 inches. With Muraflex, you're automatically increasing the size of an office. Similarly, [PLANIKA](#) works around your existing space and accommodate plumbing and wirings that are already present.

MATERIALS AND RESOURCES

Credit 1.1: Sustainability Purchasing (Furniture) (1-18pts)

Any product that is easily recyclable, reusable, and adjustable is sustainable. Demountable walls are flexible and therefore can be used in several ways and easily demounted and put away for later use. You can swiftly earn up to a whopping 18 LEED points with glazed demountable walls.

Credit 8.0: Solid Waste Management (Durable Goods) (1-2pts)

Muraflex's warehouse recycles 100% of any extra material that is left over during the production/manufacturing process.

NEW BUILDING

ENERGY AND ATMOSPHERE

Optimize Energy Performance – Lighting Power (1- 19pts)

MATERIALS AND RESOURCES

Construction Waste Management (1-2pts)

Material Reuse (1-2pts)

Recyclable Materials (1-2pts)

Regional Materials (1-2pts)

Certified Wood (1-2pts)

ENVIRONMENTAL QUALITY

Indoor Air Quality during Construction (1pts)

Materials with Low Emission (1pts)

Daylight Transmission (1pts)

Daylights and Views (1pts)