

Green Building Program Documentation

KWIK-WALL

2000 Series & 3000 Series Operable Walls

LEED BD+C v4.1 Credit Applicability and Language

Direct Credit Contributions:

Category: Materials and Resources (MR):

Credit: Sourcing of Raw Materials (1-2 Points)

Intent: To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner.

Recommended Language:

Recycled Content: Kwik-Wall 2000 Series and 3000 Series Operable Walls contain the following recycled content:

Material	% of System	Total Recycled	Pre-Consumer	Post-Consumer
Steel Alloy	40-65%	25% ¹	0%	25%
Aluminum Alloy	10-25%	19.4%	3.9%	15.5%
Gypsum Panel	20-30%	Varies ²	Varies ²	3-6%
Insulation	2-10%	≥70%	≥70%	0%

¹ LEED allows a default recycled content value of 25% post-consumer for steel products.

² Gypsum Panel supplier states that the use of FGD gypsum varies by manufacturing plant; please contact Kwik-Wall for information specific to your project.

Category: Materials and Resources (MR)
Credit: Material Ingredients (1-2 Points)

Intent: To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. To reward raw material manufacturers who produce products verified to have improved life-cycle impacts.

Option 1. Material Ingredient Reporting (1 Point)

Recommended Language:

Kwik-Wall has published, complete Health Product Declarations (HPD) with full disclosure of known hazards of all substances present at or above 0.1% (1000 ppm), in compliance with the Health Product Declaration Open Standard. Kwik-Wall 2000 Series and 3000 Series Operable Walls can therefore contribute one whole product to the 20 different permanently installed products required for this credit.

Category: Indoor Environmental Quality (EQ):
Credit: Acoustic Performance (1 Point)

Intent: To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design.

Recommended Language:

Kwik-Wall 3000 Series Operable Walls have STC ratings up to 56; 2000 Series Operable Walls have STC ratings up to 51. These systems can thus contribute to achieving the required minimum composite sound transmission class ratings for various adjacent spaces, including private offices, conference rooms, and retail.

Indirect Credit Contributions:

Category: Energy and Atmosphere (EA):

Credit: Optimize Energy Performance

Intent: To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use that disproportionately impact frontline communities.

Option 3. Systems Optimization – Interior and Exterior Lighting (Up to 3 Points)

Recommended Language:

When installed adjacent to exterior-facing windows, Kwik-Wall 2000 Series and 3000 Series Operable Walls with dual-glazed, high-performance insulated glass units permit natural light to reach farther into a building's interior than solid walls and partitions. This allows more regularly occupied spaces to be illuminated with natural light, and may reduce the need for electrical lighting.

Category: Material and Resources (MR):

Credit: Construction and Demolition Waste Management (Possible 2 Points)

Intent: To reduce construction and demolition waste disposed of in landfills and incineration facilities through waste prevention and by reusing, recovering, and recycling materials, and conserving resources for future generations. To delay the need for new landfill facilities that are often located in frontline communities and create green jobs and materials markets for building construction services.

Recommended Language:

Kwik-Wall 2000 Series and 3000 Series Operable Walls are designed for each space, virtually eliminating any excess materials at the jobsite. Kwik-Wall will take back the steel bars for reuse in future shipping crates, and a portion of the remaining shipping materials are easily recyclable. These aspects may help achieve established goals for waste diversion, including for Option 1 of this credit.

Category: Indoor Environmental Quality (EQ):

Credit: Daylight (Up to 3 Points)

Intent: To connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space.

Recommended Language:

When installed adjacent to exterior-facing windows, Kwik-Wall 2000 Series and 3000 Series Operable Walls with dual-glazed, high-performance insulated glass units allow natural light to reach a greater percentage of regularly occupied floor area than solid walls and partitions, and may help to achieve illuminance levels required by the various options of this credit.

Category: Indoor Environmental Quality (EQ):

Credit: Quality Views (1 Point)

Intent: To give building occupants a connection to the natural outdoor environment by providing quality views.

Recommended Language:

When installed adjacent to interior atria or exterior-facing windows, Kwik-Wall 2000 Series and 3000 Series Operable Walls with dual-glazed, high-performance insulated glass units may provide quality views to a greater percentage of regularly occupied floor area than solid walls and partitions, and thus contribute to the requirements of this credit.